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*The*  
**CHEMIST AND DRUGGIST**

Established 1859

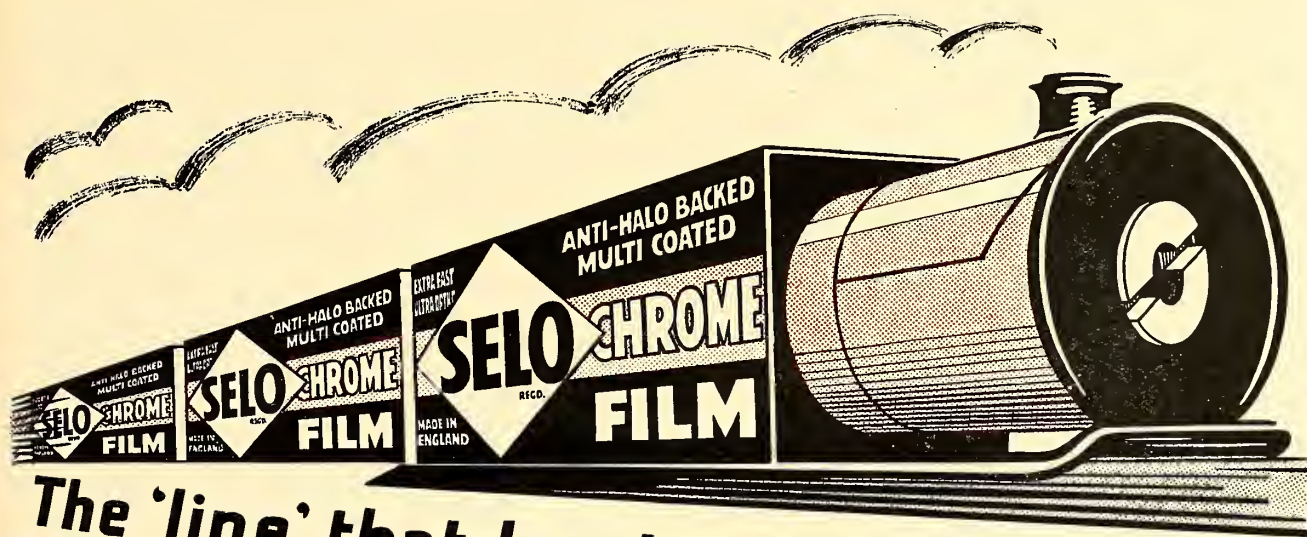
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Registered as a Newspaper

No. 2929  
VOL. CXXIV

MARCH 28, 1936

Annual Subscription (with  
Diary) 20/-, Single Copies 9d.



*The 'line' that leads to prosperity*

**T**AKE the sure route to increased profits by stocking and recommending SELOCHROME—an established success with users of roll film cameras of all kinds . . . . and one which goes from strength to strength

● Make an all season display of the new and attractive Selo show material

**SELOchrome**

*Extra Fast*  
**ROLL FILM**

MADE IN ENGLAND BY ILFORD LIMITED, ILFORD, LONDON





The Aspirin that  
has set a new  
standard . . . . .

MADE BY

**W. J. BUSH & CO. LTD LONDON**

SOLD BY

**H. W. GRAESSER-THOMAS LTD**

49 LEADENHALL STREET, LONDON, E.C.3

MONUMENT 3011-3111

UNOMEE, FEN, LONDON



# PRODUCTS OF GLAXO LABORATORIES

*These are Chemists' Friends*



The pharmaceutical products of **Glaxo Laboratories Ltd.** are on the Chemists' Friends List and extensively advertised to the medical and nursing professions. Ethical products, backed by ethical advertising, and safeguarded for you by the scheme. Each has a big and ever-increasing sale among good customers. Each is a source of steady profit to you. Stock and display these products—confidently.



## SYRUP MINADEX

An appetising reconstructive tonic, specially designed for children. Combines the therapeutically active principles of *Syr. Ferri Phosph. Co.* and cod-liver oil in one tonic, reinforced with copper and manganese.  
6 oz. bottles, 2/6;  
80 oz. winchesters 22/6.



## FERROUS SULPHATE TABLETS G.L.

Each 3 gr. tablet is therapeutically equivalent to 15 grs. Bland's Pill equivalent to 15 grs. iron (ferrous) B.P. Contains 1 gr. of copper and of manganese. Indicated in all microcytic and iron deficiency anemias.  
Bottles of 100, 2/6; Tins of 500, 7/6.



## OSTOMALT

Vitamins A, B, C and D in a convenient and extremely appetising form. Children need Ostomalt now to accelerate recovery from winter strain. Economical dosage (teaspoonfuls, not tablespoonfuls).  
½ lb. jars, 1/9; 1 lb. jars, 3/6.



## OSTOCALCIUM TABLETS

The first calcium tablet to incorporate adequate vitamin D, 7½ grs. calcium sodium lactate and 500 international units of vitamin D. For all conditions associated with calcium deficiency.  
Tins—50, 2/9; 100, 4/6; 500, 13/9.

## ADEXOLIN LIQUID

Standardised concentrate of vitamins A and D in natural balance. Equivalent in both vitamins to 20 times its own volume of medicinal cod-liver oil. Has no nauseous taste or smell. Specially suitable for infants.  
½ oz. phials, 2/6; 2 oz. bottles, 7/6;  
4 oz., 12/6; 8 oz., 22/6.



## ADEXOLIN CAPSULES

As a prophylactic routine one Adexolin Capsule daily is recommended to safeguard against infection and act as a powerful general tonic. Each capsule contains vitamins A and D equivalent to 3 teaspoonfuls of medicinal cod-liver oil.  
25 Capsules, 2/9; 100, 8/6; 500, 30/6.



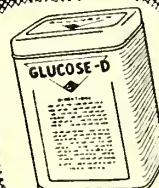
## OSTELIN LIQUID

The pioneer British concentrate of vitamin D. Ensures correct development of bones and teeth and safeguards against rickets. Indicated in all cases of calcium-phosphorus metabolism. Miscible with water.  
½ oz. phials, 2/6; 2 oz. bottles, 7/6;  
4 oz., 12/6; 8 oz., 22/6.  
Ostelin tablets are convenient for carrying about during treatment.  
45, 2/6; 250, 12/6.



## GLUCOSE—D

"Immediate energy." Powdered medicinal glucose (98 per cent.) reinforced with Ostelin vitamin D and calcium glycerophosphate. Indicated in all cases of physical and mental strain, cardiac disease, febrile illnesses, anorexia and travel sickness.  
1 lb. tins, 1/9; 7 lbs., 10/6.



G.L. 169



# SHOULD RETAILERS STUDY ADVERTISING?\*

*\*The retailer who picks up all the information he can about advertising makes himself a cleverer buyer, for then he is in the best possible position to decide wisely when a traveller urges him to stock a line 'because it is advertised.' The facts given on this page affect every retailer.*

*The* **RADIO TIMES** *list*  
*for your trade*

You can stock the products below with confidence because they are regularly advertised in the Radio Times and therefore in steady demand. Radio Times readers respond to advertising.

The second half of this list will be published in the next Radio Times announcement in this journal.

Feen-a-Mint . Icilma . Pond's Cold Cream  
Vinolia Soap . Veno's Cough Cure . Silvikrin  
Yardley Lavender Water . Vionase . Gibbs  
Dentifrice . Silf . Harlene . Gibbs  
Shaving Cream . Dettol . Robinson's Patent  
Barley . Robinson's Lemon Barley Water  
Germolene . Izal . Halex Brushes . Jeyes  
Fluid . Cicfa . Irvona . Erasmic Shaving  
Stick . Lux Toilet Soap . Californian Poppy  
Perfume . Crookes' Halibut Liver Oil . Virol  
Kleenex . Kalzana . Pear's Golden Glory  
Soap . Thermogene Vapour Rub . Palmolive  
Jocigares . Sloan's Liniment . Andrew's Liver  
Salt . Lady Gay Perfume . Moorlands  
Tablets . Selo Films . Phosferine

**The fact** that a product regularly advertised in the Radio Times has made its merits known to almost one in every four families in Great Britain is a valuable guide to you when considering whether it will be profitable for you to stock that product. And the Radio Times not only gets into two and a half million homes but the unique circumstances under which it is looked at in those homes ensures that its advertisements are not only seen but read carefully. It is constantly referred to for its programmes by the whole family during the seven days of the week. Every page is turned over repeatedly—usually at idle moments, such as an interval in the programme, when the mind is most receptive. Here is a significant extract from a letter sent by an advertiser to the Radio Times: 'The Radio Times proved easily the most effective. It not only pulled the largest volume of returns, but also was lowest in cost per reply.' In other words, readers of the Radio Times are *responsive* to advertising, and for that reason the list below of products regularly advertised in the Radio Times is well worth consulting, for it will help you in your buying.

**Goods sell quickly  
when they're advertised in the**

# RADIO TIMES

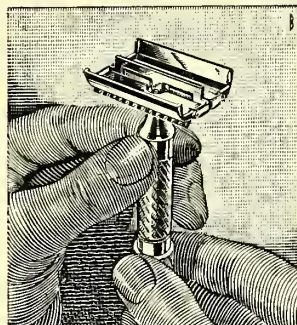
**Guaranteed average net sales for 1936**

**2,600,000 per week**

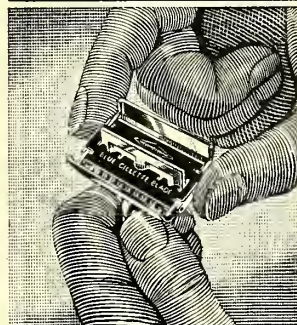


*Announcing...*

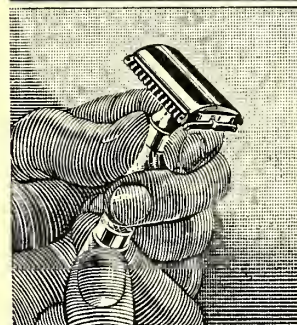
## GILLETTE'S LATEST ACHIEVEMENT



A TWIST... IT'S OPEN!



DROP IN BLADE



A TWIST... IT'S CLOSED!

### THE *Aristocrat* ONE-PIECE RAZOR

The ARISTOCRAT marks still another achievement in the great manufacturing record which began with the invention of the Gillette Safety Razor 40 years ago.

Look at the illustrations. See how simple it is - how ingenious. Just a twist of the handle opens the cap to remove or replace the blade. Another twist locks it securely into position for perfect shaving. There are no loose parts - no separate pieces to assemble. Here is speed and convenience for either changing of blade or cleaning after shaving.

What a perfect razor for the new Blue Gillette electrically tempered blades! The ARISTOCRAT will be advertised in the leading National and Provincial papers.

Demonstrate the ARISTOCRAT. Its simplicity will fascinate and create the desire for possession.

*Perfectly balanced, heavily silver-plated Razor equipped with a man-sized handle and packed in a handsome nickel-plated case with engine-turned lid, together with 10 Blue Gillette Blades.*

RETAIL PRICE

**15/-**

This price does not apply in the  
Irish Free State.



THE GILLETTE  
*Aristocrat*

**ONE-PIECE RAZOR**

GILLETTE INDUSTRIES LTD. 197-207 CITY ROAD LONDON, E.C.1.



# NUFIX

## REDUCED PRICES

No alteration in present size of bottles or quality of contents.

Actual size of the  
**1/-**  
bottle



to be announced in the general press to the public from **1st May onward**.

Buy NOW at the new reduced trade prices and reap the extra benefit of sales at old prices until May 1st.

### "NUFIX" NOW COSTS

8/- per dozen, 13 to the dozen, to sell at 1/- each after 1st May

Large size: 12/- per dozen, 13 to the dozen, to sell at 1/6 each after 1st May.

With all orders of 3 dozen lots, consisting of 2 dozen 1/- and 1 dozen 1/6 size, extra bonus of 1, 1/- and 1, 1/6 size will be given.

Orders of 5 dozen lots, consisting of 3 dozen 1/- and 2 dozen 1/6 size, extra bonus of 3, 1/- and 2, 1/6 size will be given.

Bonus parcels are sent carriage free.

Miniature size, retailing at 6d. each, supplied at the same prices as before:—

1 dozen lots @ 4/3 per dozen.

3 dozen upwards @ 4/- per dozen.

Guaranteed to be the same quality, and no alteration in the size of bottles.

"NUFIX" is still the most expensive Hair Cream to produce because of its unique and costly ingredients.

The price reduction is only possible because of the amazing increase in sales.

The quality of "NUFIX" is already known to you, and if you have been selling it you know the enthusiasm of its users, and will realise the help the reduced prices will be in extending sales very considerably, and reaching those who have hitherto thought this expensively produced Hair Lixative was beyond them. The profit is exceptional, equal to and above most Nationally Advertised lines.

Stock up now to meet the increased demand there will be when our big press campaign commences on May 1st.

Your Wholesaler can supply at the new trade prices NOW.

*The public will not be notified until after May 1st*

Manufacturers:

**WALDEN & CO. (NUFIX) LTD.**

NUFIX WORKS, ROOKERY WAY,  
THE HYDE, HENDON, LONDON, N.W. 9



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## TRUE CHEMISTS' FRIENDS



Popular alike with Trade and Public. To display is to sell and to sell is to sell again. Consistently advertised throughout the year in the Press. Sales ever-increasing by personal recommendation all the time.



The Public will have

**MOORLAND**  
BRAND  
**INDIGESTION TABLETS**

**PENETROL**  
BRAND  
**INHALANT & TABLETS**


W. B. CARTWRIGHT LTD., RAWDON, LEEDS



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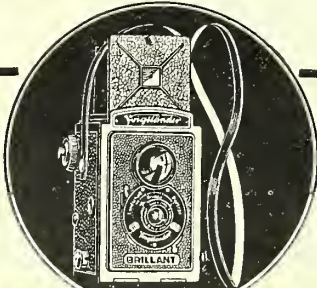
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# CAMPHOR PURE B.P.



FLOWERS SLABS TABLETS

CAUSTIC POTASH (Sticks, Pellets and Flakes)  
 CALCIUM GLYCEROPHOS  
 TERPINEOL : LICINOL : THYMOL Cryst. B.P.



**In Universal Demand**  
*from Consistent Advertising*  
**VOIGTLÄNDER CAMERAS**  
 'BRILLIANT' 'BESSA'  
 'SUPERB' etc.  
**VOIGTLÄNDER FILMS**  
 'ILLUSTRA' and 'BE: SAPAN'

STOCKS IN LONDON


**SCHERING LIMITED**

'Phone :  
 Holborn 9345 (4 lines)

**188-192 HIGH HOLBORN**  
**LONDON, W.C.1**

'Grams : Scherophia,  
 Phone, London.

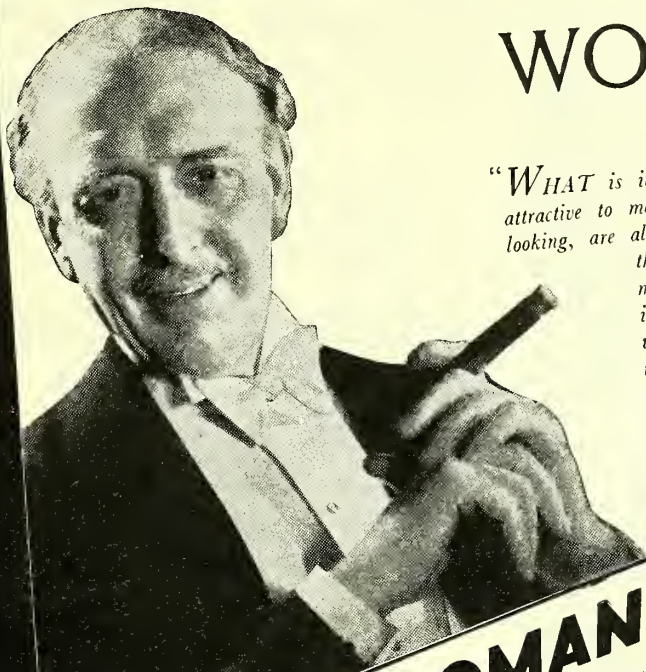
**Voigtlander - FILM**





The Daily Mail.

# A MAN can best tell a WOMAN..



"WHAT is it that makes some women so attractive to men while others, equally good-looking, are always neglected?" To women that question is one of the eternal mysteries. To men the only mystery is why women find it difficult to understand that good looks are unimportant compared with that quality, that almost indefinable quality of freshness . . . fragrant daintiness . . . immaculate sweetness . . . which some women possess while others lack it.

## HEADLINES NO WOMAN CAN PASS

and a strong, sincere selling story. Women everywhere are becoming more and more conscious of the importance of personal freshness. Vinolia, the most refreshing and most fragrant of soaps, is seizing the opportunity that this offers. Large space advertisements like this are appearing regularly in the

**LINK UP WITH THIS POWERFUL CAMPAIGN BY USING VINOLIA Co., Ltd.**

**FREE ON REQUEST.**

RADIO TIMES • DAILY MAIL • DAILY SKETCH  
DAILY MIRROR • EVENING STANDARD; in 12  
leading Provincial papers • 5 Scottish papers • 4 Irish  
papers • 5 leading Women's magazines, with a Total  
Circulation of 9,496,797. Between April and July alone  
60,000,000 impressions of this advertising will appear.

**VINOLIA Co., Ltd., BEBINGTON, CHESHIRE**

... fragrance every pore. You  
... with you all day. And  
... combines the super-creamed  
... a really good soap. It is, in truth, the  
... for the fastidious woman.



# VINOLIA

... The soap that freshens you



**PILLS & TABLETS**  
**COATED**  
 OR UNCOATED

... *SUGAR*  
 ... *PEARL*  
 ... *ENTERIC*  
 ... *SILVER*  
 ... *GOLD*

A SECTION OF ONE OF OUR COATING DEPARTMENTS

A BATTERY OF OUR TABLET MACHINES

ONE OF OUR LATEST PILL MACHINES

*Unsurpassed Uniformity  
 Finest Finish*

**BULK OR PACKED -**

*Let us quote for your requirements*

ESTAB 1839

**ARTHUR H. COX**  
*Pill and Tablet Specialists*  
**BRIGHTON & Co. LTD.**

Comply with the Ministry's WARBLE FLY ORDER (1936)

## RANSOM'S Derris Powder

Standardised  
 in accordance with the  
 requirements of the Order, it only  
 requires mixing with water.

In cartons containing sufficient to  
 make 1 gallon of dressing, or it can  
 be supplied in bulk quantities.

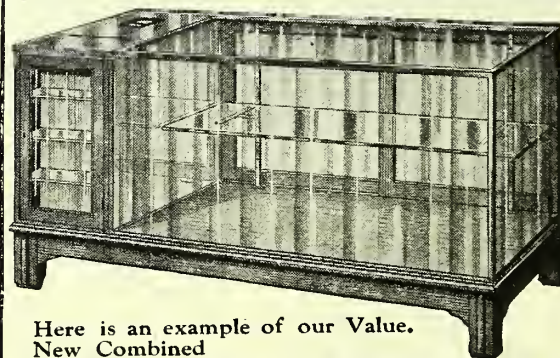
**WILLIAM RANSOM  
 & SON LTD.**

**HITCHIN Nr. LONDON**

Manufacturers of Medicinal Preparations since 1846

### EVERY CHEMIST

Should send for a Copy of our New  
 Catalogue of MODERN FIXTURES.  
 Just ask for List No. CD 1680.



Here is an example of our Value.  
 New Combined

### CASH TILL & COUNTER

No. CDF 5625

No. CDF 5625. Definitely an ideal COUNTER for the  
 Chemist Combining very large Till, 12 ins. wide, together  
 with Display Section 4 ft. wide. Polished Light Oak with  
 12 in. row of shelves inside and 3 shelves in small Show-  
 case below Till Section. Dimensions—  
 5 ft. long x 3 ft. high x 2 ft. wide. £10:10:0  
 If supplied in Mahogany finish £11:0:0.

Gladly supplied on Graduated Payments.  
 Prices nett. Ex-Works.

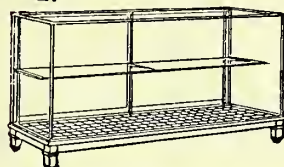
**DUDLEY & COMPANY LIMITED**  
 451 HOLLOWAY RD., LONDON, N.7. City Showrooms: 65 Fore St.



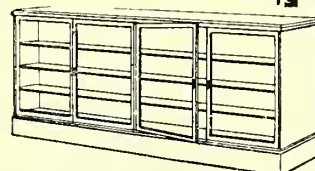
# KING'S

## MODERN PHARMACY FITTINGS

The requirements of a Modern Pharmacy need most careful and minute attention ensuring the correct pharmaceutical atmosphere. After many years of experience, we are in a position to offer you suggestions, and at the same time co-operate in embodying your own personal ideas in the general scheme of fittings. No matter how large or small your intended alterations may be, our representative will be pleased to wait upon you and submit estimates, etc.

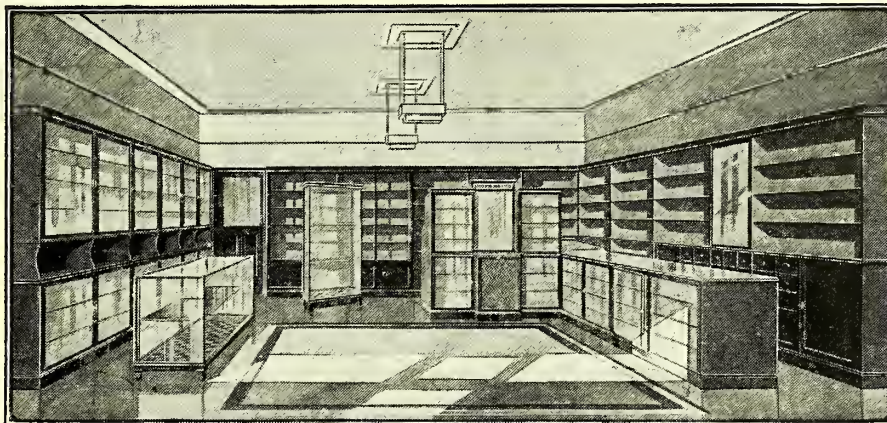


Glass counters with oak or mahogany frames from £6:15:0.

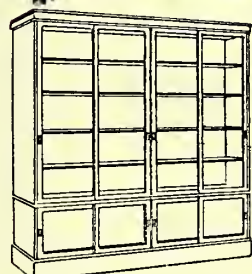


Glass fronted counters with oak or mahogany frames from £8:5:0.

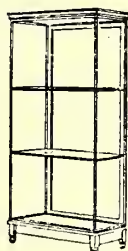
We would welcome a visit from you at our Showrooms, where a Complete Range of Modern Fixtures is always on view.



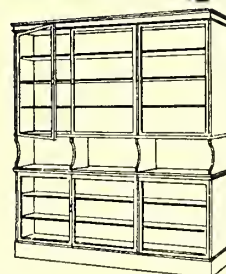
A Pharmacy can now be equipped with a Complete Range of Modern Fixtures from £75:0:0. We will be pleased to submit sketches for your approval without obligation.



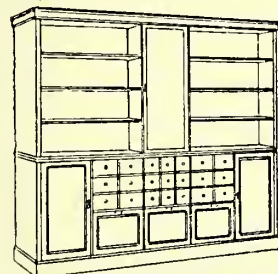
Wall showcase with oak or mahogany frame from £14:0:0.



Silent salesman showcase.  
Oak or mahogany frame  
from £10:0:0.



Wall showcase with oak or mahogany frame from £13:10:0.

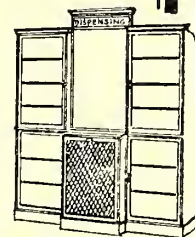


Drug run with oak or mahogany frame from £21:15:0.

Telephones:  
CLERKENWELL 2316  
(Private Branch Exchange)

*We have just published a New 100 page Illustrated Catalogue of Fixtures and Display Fittings No. 1013 which we will be pleased to forward post free on application*

**J. C. KING Ltd.,**  
Modern Shopfitters,  
**42-60 GOSWELL ROAD,**  
**LONDON, E.C.1.**



Dispensing screen with oak or mahogany frame from £15:0:0.

Telegrams:  
MAINBOOM,  
LONDON



# *For all Pharmaceutical Requirements*

**Your enquiries are invited**

●

## **The NEW POISONS REGISTER**

The Improved Woolley Poisons Register is now available. It contains the complete Poisons Lists, all schedules affecting pharmacists and a great deal of helpful information. A real guide for the Pharmacist.

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The restrictions and provisions under this Act come into force on May 1st, 1936. After this date the use of the revised register will be compulsory. Send for your copy today.

**PRICE 2'6**

or if ordered separately  
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# *Woolley's*

**JAMES WOOLLEY SONS & CO. LTD.  
VICTORIA BRIDGE, MANCHESTER 3**





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MAW OFFERS NEW AND  
DYNAMIC RANGE OF 1936  
SPRING SUNDRIES

Maw stylist's have designed the greatest range of Fashion Merchandise the trade has ever known. Be sure you get the details of this record-breaking range.

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Here's a cordial invitation to visit our London Showrooms, to see a permanent exhibition of our full range of Spring goods. Our enthusiastic staff will give you a cordial welcome.

## 1936 SPRING PROGRAMME

- MERITOR TOILET BRUSHWARE
- MERITOR TOILET PREPARATIONS
- MAW 1936 WATERPROOF RANGE
- MAW 1936 POWDER PUFF RANGE
- MAW 1936 VANITY SERIES
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★ **DISTRIBUTION OF MAW PROFESSIONAL MERCHANDISE  
IS CONFINED TO QUALIFIED CHANNELS**



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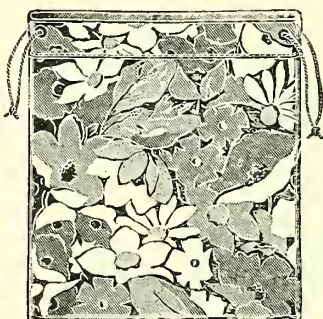
# SOLPORT

BROTHERS LIMITED

LONDON, E.C.1

***LATEST SPRING LINES NOW READY!***

**SPONGE  
BAGS**



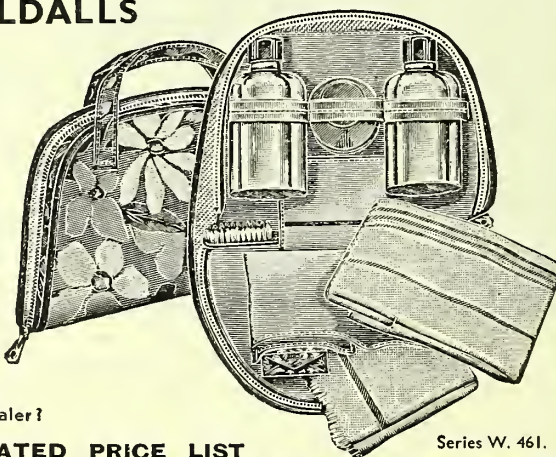
W. 525. "MIDSUMMER."

**Portia**  
Regd.

**HOLDALLS**

**TRAVELLING  
COMPANIONS**

**BEAUTY  
TRAVEL  
OUTFITS**



Series W. 461.

Our range is more beautiful than ever; many new styles and qualities have been introduced and the new series of Beauty Travel Outfits has filled a long felt want. May we send you a sample range through your usual Wholesaler?

**WRITE FOR LATEST ILLUSTRATED PRICE LIST**

*going! . . . going! . . .*

# SOLD

Get your share of profits from this quick sale brushless shaving cream by stocking it now. Latest sale figures are increasing daily as a result of the large advertising campaign now in motion.

And because Morning Pride is a sound product, your customers will buy it again, and again . . . and again.

## MORNING PRIDE

REGD.

**THE RAZOR READY BRUSHLESS SHAVING CREAM**

PRODUCT OF FAIRY DYES, LTD., PHARMACEUTICAL DEPT.

**SOLE DISTRIBUTORS · FASSETT & JOHNSON LTD**

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TOOTH POWDER TOOTH PASTE  
DENTURE POWDER

Bought on Display Terms yield

PROFIT ON  
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**43%**

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BRITISH OWNED

BRITISH MADE



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The Queen of Creams.

The day and night cream in one.

In tubes :  
6d., 1/3, 2/-

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Special for greasy skins.

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### La Reine des Crèmes Green Band

Unscented.

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Lilac, Lily, Rose, Violet, Carnation, Lavender, Lemon, Cucumber.

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### Veloute de Pêche

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#### Suntan

Handreine for beauty of the hands.

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#### de Luxe

1/- per tablet.

### La Reine des Poudres

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### La Reine des Crèmes

Face  
Powders 1/3

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6d.

Ten exclusive shades :

Rachel, Naturelle, Chair, Ocre Rachel, Ocre Naturelle, Ocre Foncé, Rose Emoi, Bois de Rose, Rose, White.

See shade card.

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**REINE des CRÈMES, Ltd.**

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# TOKALON

## Poudre Tokalon

(Mousse of Cream Powder)

## Biocel Skin Food

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EVERYWHERE**



# Mercolized Wax

*for the Complexion*

Extensively Advertised. Always in Demand

*There is no risk in holding full stocks.*

*Every woman is a potential buyer.*

*Sales are regular and repeats certain*

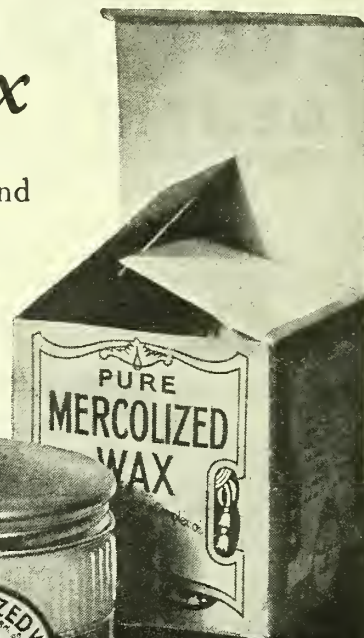
## Stallax

*a Shampoo—also popular,  
and shows a handsome profit*

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(1923) Limited

37 Gray's Inn Rd. London. W.C.1.



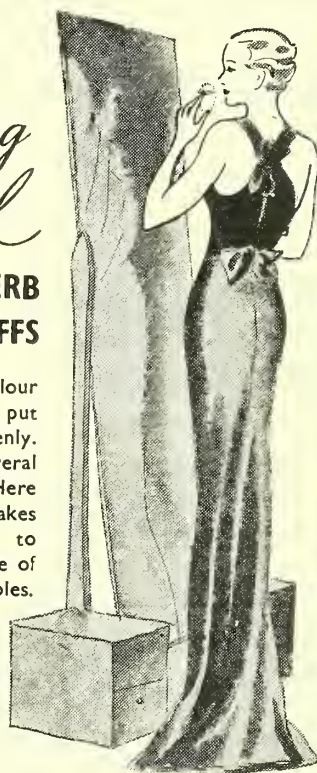
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Holborn. 9669

## An Evening Ritual

### SPHERE SUPERB POWDER PUFFS

Special Silkiedown Velour makes it easy to put the powder on evenly. Assorted sizes in several lovely pastel shades. Here is a puff which makes an instant appeal to every woman's sense of style. Write for samples.

British Manufacture



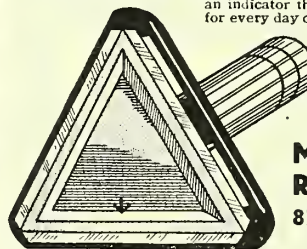
FAIRE BROS & CO., LTD., LEICESTER, ENGLAND

6<sup>p</sup>

## MAKTOR SAFETY RAZOR

WITH ONE  
REVERSIBLE  
BLADE

Whether your beard is fine, medium or tough, a perfect shave is *always* assured with the MAKTOR because of its specially designed, adjustable 3-way gap. The MAKTOR has many other exclusive features, including an indicator that clearly shows the correct edge for every day of the week as marked on the blade.



The 6d. complete outfit consists of handsome heavily plated razor, moulded guard and 1 Maktor Hollow ground Blade made from finest grade DIAMOND HARD SHEFFIELD STEEL, ground and finished by hand control. Additional blades 3d. each.

**MAKTOR SAFETY  
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THE RAZOR  
PARTICULAR  
MEN PREFER



Year after year new sales records are created by the famous Wardonia Razors and Blades. Send your order NOW. Attractive display material free with all orders. Razors retail 1/- to 21/- Blades 4 for 1/- Generous Trade Terms.

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# TWO SPRING LINES

from our  
Packed  
Goods  
List

both to  
retail at

**7<sup>1d</sup>  
2**

## BRIMSTONE & TREACLE



with  
Dandelion and  
Sarsaparilla

*Removes Skin  
Eruptions  
Pimples, Boils, etc.*

in Waxed "Mono" Containers

1 Doz.

**4/9**

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**4/6**

6 Doz.

**4/3**

12 Doz.

**4/- nett.**

can be supplied under title

**Sulphur and Treacle**

## SULPHUR & YEAST TABLETS AYRTON'S

*A Spring Tonic  
and Blood Purifier*

Invaluable for all disordered conditions of the blood. Combine the well-known corrective virtues of Sulphur with the Vitamin "B" values of Yeast, now recognised as one of the greatest tonics of the age.

Packed in cartons containing  
approximately 2 ozs.

1 Doz.

**4/6**

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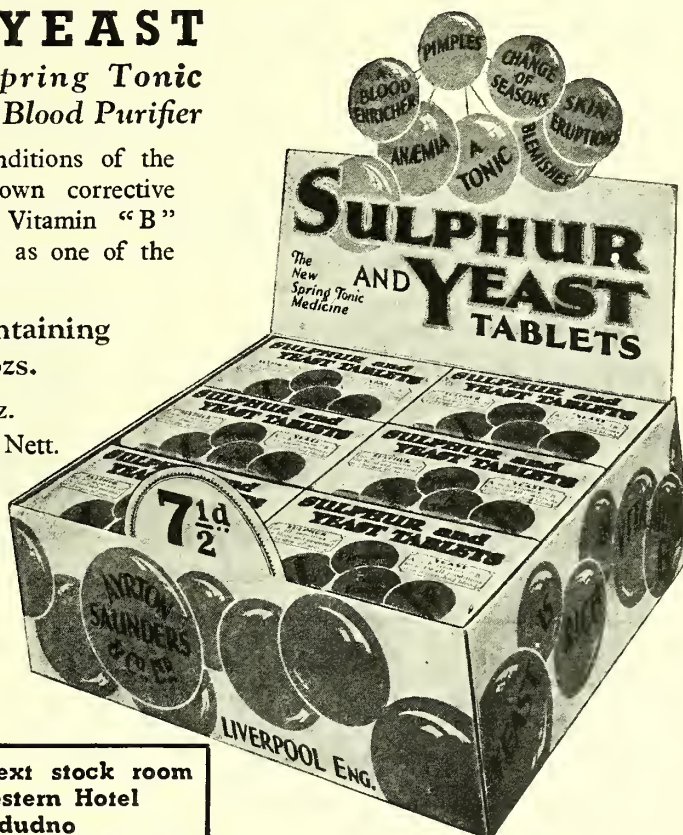
12 Doz.

**4/- Nett.**

BONUS OF 1 DOZEN TO A GROSS

*1 doz. cartons in striking  
display outer as shown*

For Export Trade a special  
pack in decorated tins is  
available at 6/- per dozen.



North Wales  
Pharmacists  
please note →

AYRTON'S next stock room  
North Western Hotel  
Llandudno  
March 31st — April 2nd

**AYRTON, SAUNDERS & CO., LTD.**  
**LIVERPOOL & DUBLIN**



# June SCORES AGAIN

with a Sensational new line!

## HERE'S BIG, PROFITABLE BUSINESS FOR EVERY CHEMIST

Acclaimed by all at the IDEAL HOME EXHIBITION the June Slumber Chin Strap and Ear Control Helmet will prove the greatest seller of the year. Special HYGIENIC Rubber Chin Control Strap prevents and reduces double chin. Guaranteed to keep in position. Automatically massages the chin whilst the sleeper is breathing naturally. Gives comfort to the wearer. Induces sleep. Fills out hollow cheeks.

### APOLOGY TO THE TRADE

Big demands have caused some little delay in deliveries. Now increased production means immediate fulfilment of your orders.

**GREAT NATIONAL ADVERTISING CAMPAIGN** will create **SOARING SALES** for YOU!

**BE READY WITH STOCKS—SHOW THEM—SELL THEM!**

Exhibiting at **STAND 166, Beauty Section, Grand Hall, Ideal Home Exhibition.**

# June

## SLUMBER CHIN STRAP & EAR CONTROL HELMET



**Lace Model de-luxe, Retail 2/6 each—Trade price 18/- per dozen**

From your Wholesaler or direct from Manufacturers :—

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TELEPHONE: GLADSTONE 6567/8

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Commence Easter Tuesday

**NEXT SESSION**  
Preliminary Scientific and  
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Full particulars from the Principal  
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# NURO Ltd.

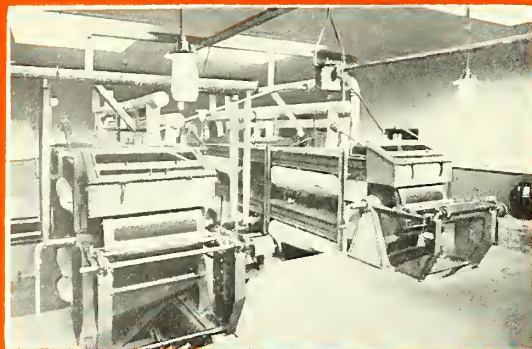
OF BIGGLESWADE  
are proud to introduce a

*New British Industry*

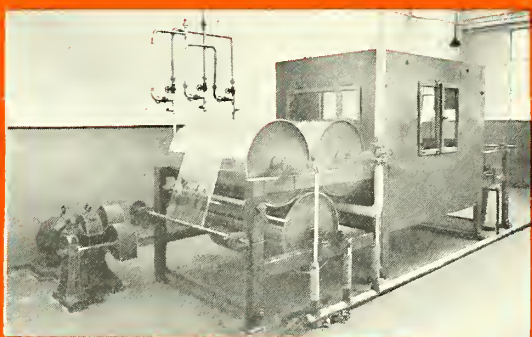


This illustration shows the Film and Baryta Coating Factory of Nuro Ltd. It is situated 45 miles from London on the Great North Road. The Celluloid factory is a separate building, and has an area half that of the coating factory, while the power generating house and other buildings equal the celluloid factory in area.

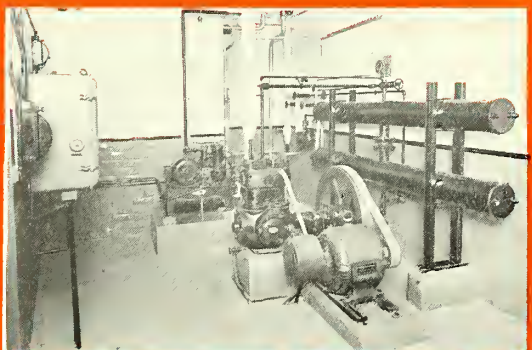




Celluloid Casting Machines



Celluloid Polishing Machine



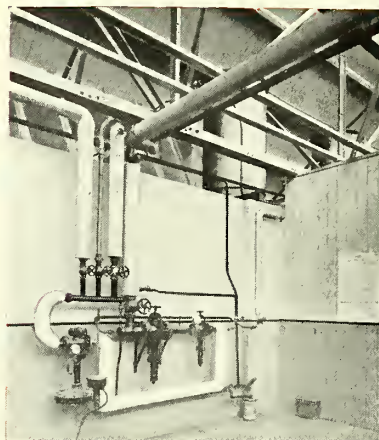
Refrigeration Unit for Emulsion



Substrate Room



## SOME INTERIOR VIEWS



NURO LTD. are pioneers—they are the first firm in Great Britain to make the CELLULOID BASE for rollfilms.

The factory is replete with every modern instrument required to produce a flawless film.

Budenberg Steam Control

All air is washed and filtered before entering the factory and the temperature auto-thermostatically controlled.



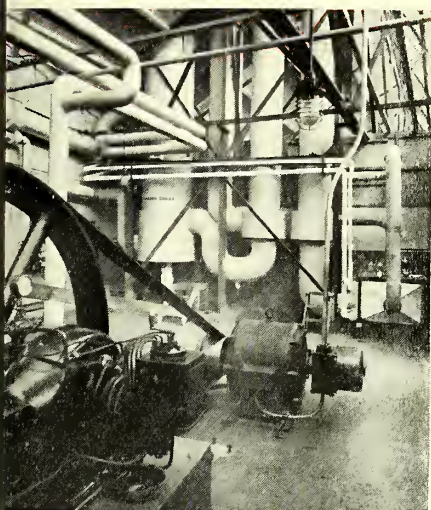
Alcohol Regaining Plant





# RO

## of the NURO FACTORY



TOTAL  
FLOOR SPACE  
OF FACTORY  
55,000 Ft. SUPER.

\*

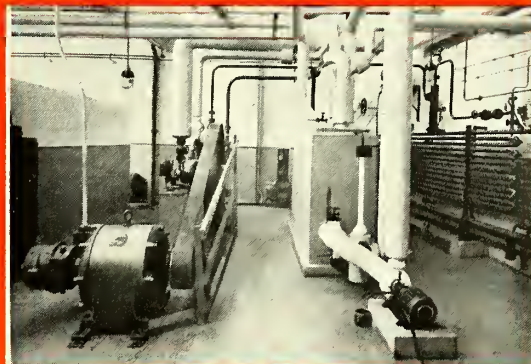
DUSTLESS  
"EBNERITE"  
FLOORING  
THROUGHOUT.

Ether Recovery Plant

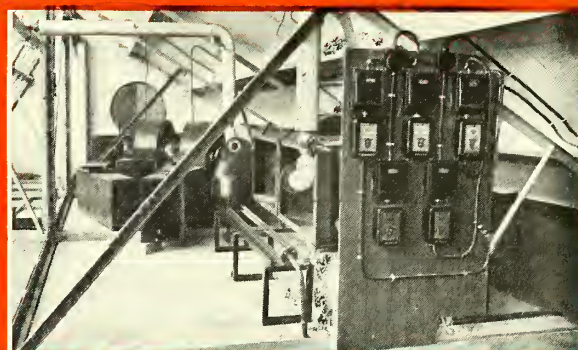
NURO LIMITED make and substrata CELLULOID BASE, sensitise it by single and double coating processes, print and glaze the red-black protective bands, spool the finished film, BARYTA COAT and sensitise printing papers and generate their own electric power in one self contained works.

No other firm in Great Britain can claim the same comprehensive range of production.

# M



Ammonia Compression Plant



Overhead Ventilation Plant



Celluloid Mixing Dept.





# NURO

*latest & best in films.*



## MADE IN ALL POPULAR SIZES

FULLY ORTHOCROMATIC  
ALL METAL SPOOLS  
WRAPPED IN ALUMINIUM FOIL  
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FINE GRAIN EMULSION  
RED DYE BACKED  
AIRTIGHT PACKING FOR TROPICS  
OUTER DISPLAY CARTONS

NURO FILM has a high speed and the balanced emulsion gives a long gradation range.

### Specially Appointed Agents :

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DERBY—Richard Daniel & Son Ltd., Mansfield Road.  
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LIVERPOOL—Evans Sons, Lescher & Webb Ltd., 56,  
Hanover St.  
LONDON—Butler & Crispe Ltd., 80-84, Clerkenwell Road,  
E.C.1.  
" May, Roberts & Co. Ltd., 7-13, Clerkenwell  
Road, E.C.1.  
" Morris Allison & Co. Ltd., 155, Victoria St.,  
S.W.1.  
" W. Sutton & Co. Ltd., 76-78, Chiswell St., E.C.1.  
MANCHESTER—E. Mather & Co. Ltd., 7, Victoria Bridge.  
NEWCASTLE-ON-TYNE—Hall Forster & Co. Ltd., Temple St.  
Unwin & Co., The Manors.  
NOTTINGHAM—River Chemical Co. Ltd., Moorgate St.  
YORK—Bleasdale Ltd., Colliergate.

## ★ The New "Lastic-Latitude" SPECIAL NURO EMULSION

*will soon create  
an insistent demand  
for Nuro Film—the  
finest roll film ever  
produced.*

*Distribution is confined to the  
photographic trade and dealers  
may obtain supplies from the  
specially appointed agents  
whose names appear opposite.  
Deliveries in strict rotation.*

# NURO LIMITED

BIGGLESWADE · BEDS · ENGLAND

Telephone BIGGLESWADE 234  
Telegrams NURO BIGGLESWADE

Codes: A.B.C. (5th Edition)  
BENTLEY'S SECOND



# Here's what thousands of people want

## A "KODAK" FOR 25/-

Takes eight full-size Vest Pocket pictures  $2\frac{1}{2}$  in. x  $1\frac{5}{8}$  in. on standard Vest Pocket Film—Kodak No. 127

**Folding-camera compactness—**

**Box-camera simplicity**

**It's smart to look at—**

**Smart in action**

Moulded "Streamline" body designed by Walter Dorwin Teague, prominent industrial artist. Smooth—shapely—a beautifully slim little hand-ful when closed. Glossy black finish.

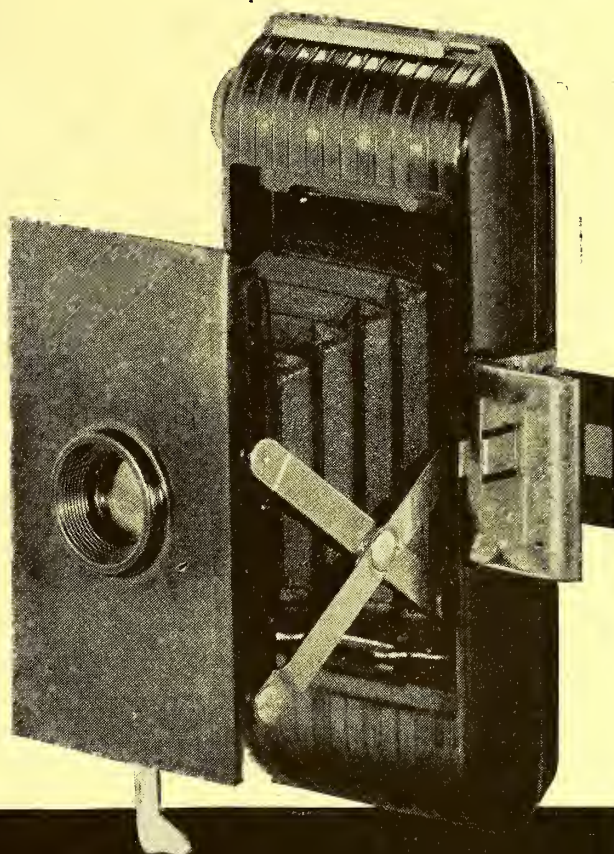
Simple, dependable shutter gives Snapshot and Time exposures. Can be released equally easily whether camera is held in upright or horizontal position.

Eye-level viewfinder; folds flush with camera.

Kodak Doublet Lens—requires no focussing. Two stops—smaller one for distant snapshots in extremely brilliant light and for Time exposures, large one for all ordinary outdoor pictures.

Spring-out front. Strong side arms (bright metal—rust-proofed) open camera all ready for action in a twinkling, at touch of button.

Support for keeping camera level when "Time" exposures are made.



*Big Advertising in the National Press is backing the*

# JIFFY "KODAK" V.P.

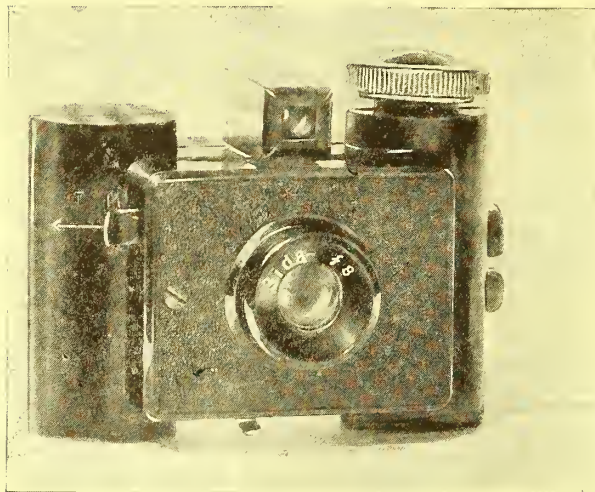
KODAK LIMITED, KODAK HOUSE, KINGSWAY, LONDON, W.C.2



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DRUGGISTS, 1921) **Ltd.**

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Illustrating the 10-gallon size with its 5x2-gallon packets of Strengthener

A CONTINUOUS developer to give films of STANDARD density at a CONSTANT time of development. Many more Spools to the gallon and better quality Negatives. In all sizes for all tanks from 5 gallons. Descriptive leaflet and prices sent on application.

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in  
**Photographic Chemicals**

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**HYDROQUINONE** WHITE Rhodia Brand

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Manufactured by Société des Usines Chimiques Rhône-Poulenc

Sole Concessionaires for the United Kingdom, Northern Ireland, Irish Free State, R. W. Greeff & Co., Ltd.

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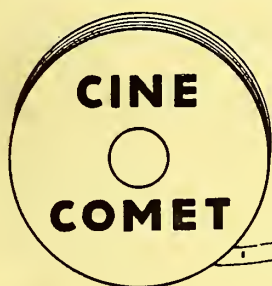
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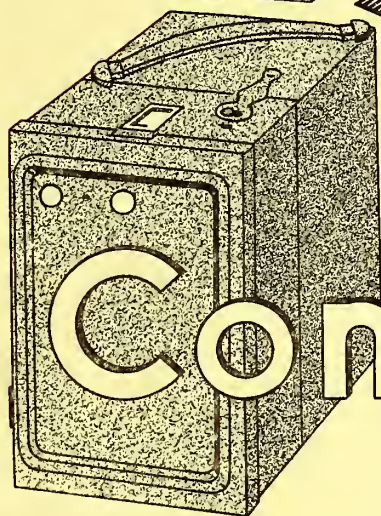
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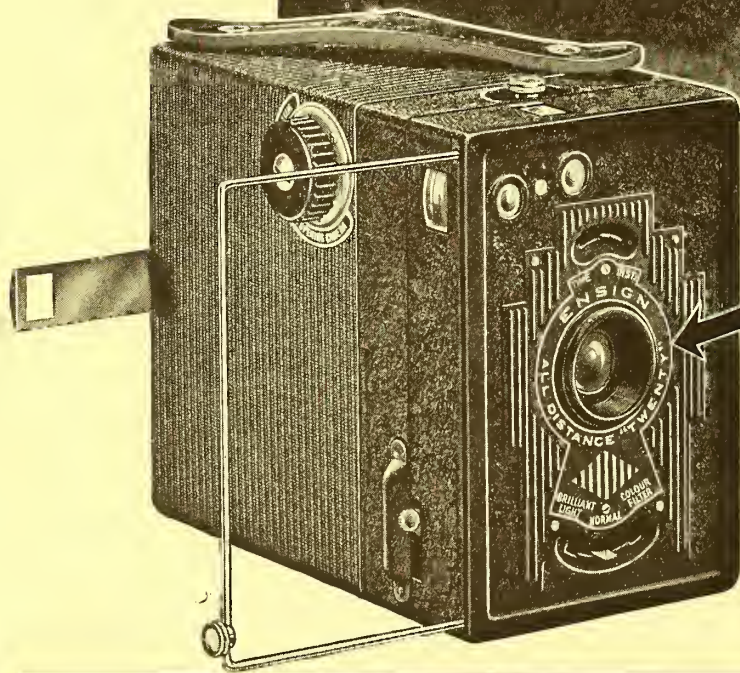
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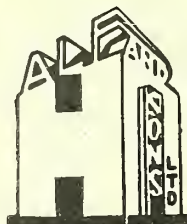
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- The "COMPRESSED" for travelling. A very popular line.

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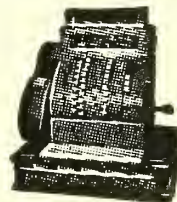
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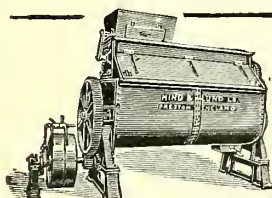
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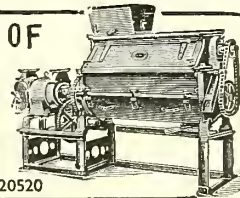


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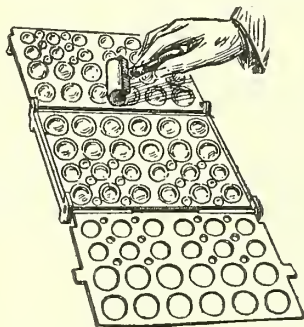
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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

*The official organ of The Pharmaceutical Society of Ireland,  
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The Chemists' and Druggists' Society of Ireland, and of  
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## News of the Week

### Export Credits Guarantee—Spain

It was announced on January 9, 1936, that the Exports Guarantee Department was prepared to offer insurance on the risk of delay in the transfer of remittances from Spain, arising out of the export of British manufactured goods to that country. It is now notified that with effect from Wednesday, March 18, 1936, the department does not feel able to continue to offer these facilities. The department will still be prepared to consider covering the risk of insolvency of Spanish buyers.

### Key Industry Exemption Application

Application has been made to the Board of Trade, under Section 10 (5) of the Finance Act, 1926, for an Order exempting the following from liability to Key Industry duty.

A universal measuring microscope having a minimum distance between centres of thirty inches, together with the following additional parts specially adapted for use therewith:—(a) a graduated circular rotatable table complete with reading microscope; (b) a high centre cradle; and (c) a device for optical measurement of angular displacement about a horizontal axis, incorporating a supplementary centre.

Any communication should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, S.W.1, on or before April 24, 1936.

### Chemists' Wine Licences

At Chorley, recently, Mr. J. Pennington, chemist and druggist, Standish, applied for the removal of the restrictions attached to his wine licence. It was stated that in the nine weeks prior to the application there had been sixty-one requests for wines other than medicated. A petition from

local residents in favour of the applicant was also presented. The application was granted.

The following question and answer are taken from the Parliamentary Debates for March 12:—

Mr. Parker asked the Chancellor of the Exchequer whether he is aware that wines and cocktails were admitted to have been sold illegally during the last ten years under a licence to sell medicated wines at Dagenham; and if he is satisfied that the system of inspection by Excise officers, or other plans adopted by the Excise Department, are adequate to prevent a repetition of the prolonged offence at Dagenham?

Mr. Chamberlain: Excise wine licences cannot legally be limited to the sale of medicated wines, and the Excise licence held by the trader concerned in the present case was issued on payment of the full rate of licence duty and authorised the sale of any wines, whether medicated or not. The question is, therefore, not one for the Revenue.

### Ideal Home Exhibition

The "Daily Mail" Ideal Home Exhibition, Olympia, London, S.W.14, which opened on March 24, might cause pardonable bewilderment to a foreign visitor, bent on discovering the meaning of the word "home." The multiplicity of interests represented range from house purchase to hair curlers, from stainless steel to dairy farming. To pharmacists, the absence of medicinal preparations will be conspicuous, if rational. If human sickness finds no place in the perfect ménage, however, the same is not to be said for canine ailments. The stand of A. F. SHERLEY & Co., LTD., is well stocked with dog medicines. Disinfection, too, is provided for. THE CROMESSOL Co., LTD., JEYES' SANITARY COMPOUNDS Co., LTD., and THE SANITAS Co., LTD., call attention to their products in the "Domestic Labour Saving" section. In the



"Food and Cookery" section frequent demonstrations are given of cooking methods, each, of course, ideal in its own way. Bemax, Betox, Bovril and Marmite are among the foods shown, and Bourn-Vita, Ovaltine and Virol and Milk some of the food-beverages.

It is fitting that beauty culture should be practised at home, and devotees (or aspirants) are given the opportunity of comparing the beautifying and perfumery preparations of AJOTAL, LTD., BOOTS, LTD., ADELAIDE GREY, LTD., PAPIER POUDRÉ, LTD., MRS. POMEROY, LTD., POTTER & MOORE, LTD., and YARDLEY & Co., LTD. The stands of KOLYNOS, INC., and MACLEANS, LTD., close at hand, remind visitors that white teeth also contribute a part to a perfect ensemble. A row of cubicles at the stand of the SCHOLL MANUFACTURING CO., LTD., suggests that examinations of the feet can be arranged, while on the adjacent counter are to be seen the well-known Scholl appliances. In the main it is a woman's exhibition, but the exhibit of Telerazors (NORMA TECHNICAL PRODUCTS, LTD.) serves to show that men are not entirely overlooked, and possibly the stand of BRITISH ROTOTHERM CO., LTD., with its clock-face thermometers, will appeal more strongly to men than to women.

Besides its innumerable sales stands, the exhibition includes such features of interest as a "City of Beautiful Night," fashion parades, a reproduction of the Gretna Green smithy, and "Homes of the Film Stars." The opinion might be hazarded that the impeccable taste of Miss Mae West and the catholic appreciation of antiques betrayed by other "heroes and heroines" of the screen produce rooms to be looked at rather than lived in; nevertheless, this section of the exhibition deserves its undoubted popularity. In fact, if there is any fault with the entertainment offered by the Ideal Home Exhibition it is in the direction of excess, and the man in the street might be forgiven a sigh of relief that there is, in reality, no place like an ideal home.

### Inquests

The sudden death of Mr. C. P. Spedding, chemist and druggist, Savile Road, Dewsbury, was the subject of an inquiry which resulted in a verdict of "Death from natural causes." A medical witness said death was due to cerebral hæmorrhage and arteriosclerosis.

The question whether powders for rheumatism which she bought from Italy had hastened her end led to the adjournment of a St. Pancras (London) inquest on the body of Mrs. Clare Pybus, who had gone to University College Hospital for an operation. On the resumption on March 18 Mr. Leslie Nickolls, of the Police Laboratory, Hendon, said the powders contained a poison, but the amount was minute. Dr. Cameron, pathologist at the hospital, said that death was due to liver poisoning, and this might have been an effect of natural causes. The powders were fairly often used in this country, and he suggested that there should be experimentation to test the toxicity. The deputy coroner recorded a verdict of "Death from natural causes."

### Sessional Events

A meeting of the Guildford and District Pharmacists' Association was held on March 17, when an address on the Chemists' Friends scheme was delivered by Mr. G. A. Mallinson. The speaker explained how the scheme was evolved and the success it had met with all over the country. After queries had been answered, a resolution was passed unanimously approving the scheme and pledging the support of members. Mr. Edward Jones (president) was in the chair.

The annual dinner-dance of the Pontypridd and Rhondda Branch of the Pharmaceutical Society was held at the New Inn Hotel, Pontypridd, on March 5. About 200 were present. The guests of honour were Mr. Melbourne Thomas, F.R.C.S. (president of the Pontypridd and Rhondda Branch of the B.M.A.) and Dr. Marwood, Penygraig. Whist and dancing followed the dinner. Messrs. R. L. Griffith and W. L. Way were M.C.s for whist and Mr. Whitton Davies for dancing.

The annual dinner of the Great Yarmouth Pharmaceutical Association was held at Hill's Restaurant on March 19. Mr. E. King (vice-president) in the chair. After an excellent dinner Mr. P. R. Hill proposed "The Association" and Mr. F. E. Whitfield "The Visitors," the latter being represented by Mr. S. C. Jeeves (Lowestoft) and Mr. Councillor Fish. Whist

followed, with Mr. P. R. Hill as M.C. The prizes were presented by Mrs. R. C. Hannant. The secretary (Mr. R. C. Hannant) was thanked for arranging the dinner.

The monthly meeting of the Newcastle, District and Northumberland Branch of the Pharmaceutical Society at the County Hotel, Newcastle-upon-Tyne, on March 12, attracted a large number of pharmacists to hear a lecture by Dr. J. Secker, M.Sc., on "The Sex Hormones." His masterly exposition of a difficult subject delighted his audience, and lantern slides illustrated his points. He emphasised the limitations in the treatment of disease as a result of researches into the subject, and warned his hearers against the extravagant claims made for many products. Questions were answered.

Nearly 200 members and friends of the Hull Chemists' Association attended a whist drive at Powolny's Restaurant on March 19. National and local firms had contributed to make the prize list a lengthy one, and at the close Mrs. R. Harrison Watson (wife of the vice-president) presented prizes to thirty winners. In addition numerous surprise awards were made during the evening. Mr. R. H. Watson was M.C., assisted by Messrs. H. Bays, H. Ringrose (social secretary), D. W. Robinson, E. A. Brocklehurst, A. W. B. Thirsk and A. L. Spink, and Miss T. L. Sawyer.

The monthly meeting of the Huddersfield Branch of the Pharmaceutical Society was held on March 5, the president in the chair. It was suggested that a quarterly, instead of an annual, report of the progress of students at the local Technical College should be provided. A method of uniform mixing was discussed, and it was decided that for recipes written out in prescription form or that required compounding, members should charge the retail price of drugs in the N.P.U. List plus the National Health Insurance dispensing fee, all recipes to be stamped and priced with a code word. The secretary was asked to notify every pharmacy in the town. The Chemists' Friends scheme was again mentioned, and it was decided to devote the next meeting to a full discussion of the scheme.

### After-Dinner Speeches

At the annual dinner of the Newport and Monmouthshire Branch of the Pharmaceutical Society, held at the Westgate Hotel, Newport, on March 12, Mr. S. W. Hague, Rumney (president), in the chair, about 130 people were present. The principal guest of the evening was the president of the Society (Mr. E. Saville Peck), who was supported by the Mayor and Mayoress of Newport, Dr. Glyn Morgan (president of the local medical society), Mr. Ivor Phillips (clerk to the Newport Insurance Committee), and Dr. Rocyn Jones (medical officer of health for Monmouth). Kindred pharmaceutical associations were represented by Messrs. J. H. Gatehouse, I. Murray, Thomas and others, Cardiff; Messrs. Gilbert and Kent, Swansea; and Mr. Ivor Richards, Pontypridd. Mr. S. W. Hague, who welcomed the president, stressed the need for some more forward policy, so that the position of the pharmacist in the future would be less assailable than it had been in the past. The president, in reply, expressed the hope that the local authority would see that the administration of the Act, so far as it concerned listed sellers, was effectively carried out in the interests of the public and of pharmacy. The pharmaceutical qualification was a much higher one than the public, the medical profession, or even the Government, realised, and it was the paramount duty of the Council of the Society to see that it was maintained. He reminded the Branch that, whatever the future policy of the Council might be, it was largely in the hands of the members themselves as to the future course of pharmacy. The dispensing of medicines must, he felt, ultimately pass into the hands of the pharmacist. It only remained to find a right understanding with the medical profession. The president's wife presented Mr. Peck with a cheque for the Benevolent Fund.

The eighty-sixth annual dinner and dance of the Liverpool Chemists' Association and Branch of the Pharmaceutical Society was held at the Adelphi Hotel on March 18, the president (Mr. G. L. Clubb) in the chair. There were about 200 present, including the Lord Mayor of Liverpool, the president of the Pharmaceutical Society (Mr. E. Saville Peck), Mr. S. J. Stearn (chairman of the National Pharmaceutical Union), and Mr. T. Edward Lescher (chairman of the Liverpool Chamber of Commerce). Proposing the toast of "The Pharmaceutical Society," Mr. Clubb said he found it very



difficult to say anything polite about the Pharmaceutical Society. There had been of late years a tendency among the older chemists to commend the Council of the Society. "But we are not so much impressed by their wisdom and foresight as they are," commented Mr. Clubb. "They have done a lot of good work in the past, but the latest thing they are responsible for is the Pharmacy and Poisons Act that we are suffering from at the present moment." They were promised that if they accepted this, he said, the Council might be able to do something for them in the future. They were to look upon it as a stepping-stone. But by what Mr. Linstead said at Liverpool it seemed to him that the Council had decided to use that stepping-stone as a resting-place. The president, in reply, said it was the Society itself which did these things and not merely the Council, who merely acted as the elected representatives of the Society. As to the Pharmacy and Poisons Act, he agreed they had not got all they wanted, and he agreed that the Home Secretary had taken upon himself a great responsibility in that he was allowing the small shopkeeper to apply for permission to have his name on a certain list and, if he was accepted, to sell such things as lysol. He had handed over control in this matter to the local authorities, and he (Mr. Peck) would impress upon the Lord Mayor the importance of having inspectors who would see that the regulations were carefully carried out. In regard to the Act, they had gained one or two things through it. There was the trained pharmacist in the manufacturing laboratory, whose position had been greatly improved. Then they had the hospital pharmacist. He envied these men in the hospitals.

"The City of Liverpool" was proposed by Mr. T. Edward Lescher, who congratulated the president on his statesmanlike speech and remarked that he wondered how much of the good progress shown was due to the auditors. They had been alarmed recently about the possible large increase in rates, which they felt, if persisted in, would do a great deal of damage to Liverpool. The axe had fallen, and what they had looked upon as a calamity had been avoided. Sometimes people wondered whether the controlling forces in a big municipality to-day were equal to the spending force. He prophesied that Liverpool in the future might become a great airport for Western Europe. In responding, the Lord Mayor said this was the first occasion he had dined with chemists, and he had been taking observations. What they prescribed for the layman they apparently forgot when they were out for the evening. In regard to the selling of lysol, when he told them that they had no less than seventy-five doctors on their public health service staff, it was reasonable to assume that they would appoint someone qualified to control the sale of lysol. He always admired the pharmacist's shop. They were about the first retailers to use art in the display of their products. In proposing the toast of "Our Guests," Mr. H. Humphreys Jones said he did not know whether there had been a pharmacist in this country who had done as much for pharmacy as their president. He would like to remind the Lord Mayor that it was the pharmacist who kept the people going throughout the year, and last year 1,750,000 prescriptions were dispensed. Mr. Stearn, in the course of his reply, remarked that he was rather sorry to hear they were so depressed when they were mentioning the Home Secretary's shortcomings. He was sure they would be glad to have him on the Chemists' Friends scheme.

### Pharmacy League

On March 24 Mr. J. E. Crowe (Sheffield), the officially adopted candidate of the Pharmacy League for the Pharmaceutical Society's Council election next May, addressed a meeting at 17 Bloomsbury Square, London, W.C.1. Mr. Crowe said that at the moment they only heard what the Society liked to tell them. If elected to the Council he would try to keep them posted as to what occurred, as he did not consider secrecy of that nature was in the interests of pharmacy. The aims of the Pharmacy League were neither high-flown nor impossible. They were, broadly speaking, working to attain the complete expansion of the N.H.I. to cover every person in the country whose income was below £500 a year and to include the dependants of the insured person on an agreed paying basis. It was expected that the additional money would help to balance the usual deficit in the drug fund and enable the

pharmacist to be paid in full for the work he gave. He would also take part in any benefits which might accrue from this balancing of the fund. A deficit had resulted in 1935, and every pharmacist had lost 5 per cent. or more of his fees. More important still, however, was the dispensing which would come from the doctor to the pharmacist, the person who by education, examination and experience was the one person capable of handling this important branch of medicine. The doctor would be free to give more time to his own specialised work and to his patients, while any dispensers at present engaged by doctors would be absorbed in retail pharmacy. This expansion could only be brought about by the Government, and therefore pressure should be applied through the Society's Council, who were in close touch with the Ministry of Health, and also by co-operation with the General Medical Council and the British Medical Association, whose aid could be sought. The League also planned to go further than the N.P.U. had progressed, to bring about the establishment of a trade filter through which every proprietary medicine for sale by pharmacists must pass. The exploitation of the pharmacist whose handling of a product gave it a standing with the credulous public should cease. The League fully agreed with the acquisition of the Brunswick Square building site, but called for an early publication of the specification. The League also called for the annual publication of the financial budget of the Society, and pressed the claim for the encouragement of the young men to take their share. He pointed out that for a lone candidate the expense was enormous, whereas the seven retiring members, independent of their former divergencies of opinion, combined and paid one-seventh of the expenses. There should be facilities to allow election addresses to be circulated free. He had been told that if elected he would fall into line with the other members of the Council, but he could assure them that was not right. He had no desire to turn the Chamber upside down, but he did not intend to be sat on if elected, and he would try to give them some of the enthusiasm he had. He would also strive to bring about the return of a pharmacist to Parliament. Some discussion arose as to the legality of the sale of certain articles on the listed sellers' list by unqualified assistants. The chairman urged that all should give their support to Mr. Crowe, and a vote of thanks closed the meeting.

### Birmingham

An anonymous donor is placing funds at the disposal of Birmingham University for an investigation by Professor W. N. Haworth (head of the Department of Chemistry) into the possibility of an improved form of insulin.

At a meeting of the Birmingham and District Branch of the Pharmaceutical Society, held at the Grand Hotel, Birmingham, on March 17, the president of the Pharmaceutical Society (Mr. E. Saville Peck) spoke to a large assembly on "The Status of Pharmacy." Mr. Peck said the subject should be approached from two angles, that of the public and that of the pharmacist himself. The pharmacist was a professional man but had been forced by circumstances to turn to certain side-lines to provide sufficient income. The danger was that many chemists' shops were taking on the appearance of drug stores. Entrants into pharmacy had decreased during the last three years—an advantage in an overcrowded profession. Mr. Peck recapitulated the main developments of recent years: National Health Insurance dispensing; Government representation on the Society's Council; the Society's publications; representation on the Pharmacopoeia Commission; the Pharmacological Laboratories; and other matters. It was for members to see that these activities were housed in a building worthy of the calling. In the discussion which followed, Messrs. Kirby, Mann, Gascoyne, Cox, Cress, Crane and Miss English took part.

### Exeter

Members of the medical profession joined members of Exeter and District Branch of the Pharmaceutical Society at a meeting on March 18, when Mr. H. Wippell Gadd gave an address on the Poisons List and Rules (*C. & D.*, March 21, p. 333). In the discussion which followed, the question was raised whether a prescription was in a legitimate form if it was stated that it might be dispensed periodically, i.e., without a limit. Mr. Rowsell said he hoped the B.M.A. would tell the doctors exactly how to write the prescriptions. If a prescription was to be repeated twenty times there should be sufficient space to take the chemist's signature twenty times. Dr. Healy said that he



would definitely specify the number of times on a prescription. If they left the question vague by stating "to be repeated," it would be rather asking for trouble. Mr. Wippell Gadd: That is exactly what one would expect. A medical man would not give an absolutely open prescription. Mr. Rowsell, proposing a vote of thanks, said he welcomed the bringing of insulin, pituitary and thyroid under sale by chemists. It was also quite right, from the country's point of view, that barbituric acid should be dealt with. Inspectors under the new Act would come round, not to spy out, but to advise chemists in the kindest possible manner. The Government intended that the local authorities should carry out fully the inspection of listed sellers of drugs. The Act had come to stay. He was sorry that lysol could be sold by the listed sellers.

### Harrow

A combined meeting of the Harrow and district branches of the Pharmaceutical Society and National Pharmaceutical Union was held on March 19, Mr. J. F. McNeal in the chair. The main business of the evening was a discussion on the Chemists' Friends scheme. Mr. Ratcliffe (secretary, Wembley Branch, N.P.U.) dealt with the organisation which had been set up in that town and explained how it functioned. Mr. Ratcliffe stated that every proprietor except one had signed an agreement with the branch to uphold the scheme, and members took a friendly interest in each other's windows in order to detect anything that was not on the C.F. list. A discussion followed, in which it was shown how members could, by uniting under the scheme, place business in the hands of those firms who supported it. The meeting discussed the circular letter sent out by the P.A.T.A. On a resolution being put to the meeting, it was decided to give unanimous support to the Chemists' Friends scheme. Mr. Valland suggested that the Chemists' Friends scheme also affected the Society's Council election, and proposed "that the meeting supports the candidature of Mr. J. F. McNeal at the forthcoming Council election." The resolution was carried unanimously. Mr. McNeal thus has the support of the three pharmaceutical bodies in the Harrow district. The election of officers resulted as follows:—*Chairman*, Mr. J. F. McNeal; *vice-chairman*, Mr. W. C. Switzer; *secretary*, Mr. F. C. Reynolds; *treasurer*, Mr. W. Vallans; *committee*, Messrs. Armour, Fitch, Rowson and Winsor.

### Leeds

The Leeds Branch of the Pharmaceutical Society have given approval to a scheme suggested by Mr. H. Gilleghan (past-chairman of the N.P.U. Executive) for systematic individual contribution to the Pharmaceutical Society Benevolent Fund. Mr. Gilleghan's scheme is that members be invited to set aside a halfpenny per working day, or the equivalent in larger sums, to be sent at regular intervals to him at 128 Roundhay Road, Leeds, for forwarding.

A meeting of the Leeds Branch of the National Pharmaceutical Union was held at the Hotel Metropole on March 10, Mr. F. Midgley in the chair. Mr. N. N. Armitage, in a report of the work of the P.A.T.A., stated that conditions are improved both in London and the provinces. The report of Mr. Gilleghan, who was in London in connection with the Chemists' Friends scheme, was read by the chairman. It disclosed that 90 per cent. of members are supporting the C.F. scheme, and that no objection to the scheme was raised until January 31. The meeting supported the N.P.U.

### Liverpool

On March 24 the new building of the Liverpool Chamber of Commerce in Old Hall Street was opened by the Earl of Derby, K.G., president of the Chamber. In calling on Lord Derby to declare the offices open, Mr. T. Edward Lescher, chairman of the Chamber, said the need for strong Chambers of Commerce had never been greater than at present, when Government interference in industry had come to stay and would increase. Mr. Lescher added: "This control is in the main welcomed by large sections of industry. . . . If world trade is to revive, we must use our influence to see that the tariffs and subsidies adopted as a bargaining power are used to break down extreme restrictions paralysing trade." The front cover of a *brochure* issued in connexion with the event has a reproduction of the handsome sign hanging outside the building.

A correspondence has arisen in the "Liverpool Daily Post"

on the subject of the distribution of foods and medicines at clinics. In the issue of March 24 "Another Pharmacist" writes:—" . . . my next-door neighbour, in business for herself and whose husband is a well-paid worker, was approached by an officer from the clinic. She was asked why she did not take her baby to the clinic, and her reply was that her doctor and chemist could give her all the advice she needed. Among other questions the lady was asked what food she gave the baby, and when she named a well-known proprietary milk food, the clinic officer said: 'That is all the more reason why you should attend the clinic, as you would obtain the food cheaper there.' Does this suggest a means test? On another occasion the wife of a police officer asked the price of cod-liver oil emulsion, and my assistant quoted 1s. for a fair-sized bottle. The woman said that was too dear as she could obtain a bottle that size for 3d. at the clinic. Again, does this suggest a means test? "

### London

An informal dance, arranged by Bird & Storey, Ltd., was held at the small Queen's Hall, Langham Place, on March 10, after being postponed owing to the death of his late Majesty. Among those present were Mr. and Mrs. Klein, Mr. Hamnett and Mr. Wilkinson. Spot prizes, given by the proprietors of Listerine, Bourjois, Atkinson, Coty, Harriet Hubbard Ayer, Dubarry, Cutex, Louis Phillippe and Morny, and by Mrs. Klein, were presented to the winners by Mrs. Klein.

Over one hundred employees attended the first annual dinner of Burgoyne's Sports and Social Club (Burgoyne, Burbidges & Co., Ltd.), held at the Seven Kings Hotel, on March 21. The governing director (Mr. R. G. Halstead), accompanied by Mrs. Halstead, occupied the chair, supported by Mr. H. Housley (managing director) and other directors. The toast, "The Club," was proposed by Mr. W. Crawford, who commented upon the rapid growth of the club and urged the formation of an athletic section. The general secretary (Mr. C. G. E. Deer) supplied the answer to the proposers' "prayer" by announcing that an athletic section was to be formed immediately. He expressed the opinion that the club was of mutual benefit to the house and to the employees. Mr. H. Housley, proposing "The Visitors," urged the younger members to take advantage of the educational facilities offered by the local authorities. He was pleased to welcome the Mayor and Mayoress of East Ham among other prominent guests. The Mayor humorously responded. The toast of "The Ladies" was entrusted to Mr. Jarman. Mr. Scott proposed "The Chairman." Mr. Halstead, who was greeted with cheers, expressed thanks for the reception accorded him and congratulated the secretary on the efficient manner in which the club was conducted. Dancing followed.

The "Annual Supper and Dance" of the Western Pharmacists' Association has become one of the features of the pharmaceutical social season. In the first place, it is considerably more than a "supper," for the menu would by no means disgrace a dinner. Secondly, the "dance" resolves itself into what was known as a "ball" in the Victorian era, for it goes on from 8 p.m. till 2 a.m. and includes a cabaret performance. Lastly, its importance is indicated by the fact that the younger element in pharmacy turns out in full force. At this year's function, held at the Criterion Restaurant on March 19, the president (Mr. David T. Jones) and Mrs. Jones welcomed over 200 guests. Mr. Bernard Wilkinson, Mr. Gwilym Thomas, and Mr. Clifford Evans were conspicuous in keeping things moving. Their principal difficulty in the matter of movement was due to floor-space congestion, but everyone was happy and took their "bumps" good-humouredly. Official pharmacy was adequately represented by three councillors—Mr. C. A. Noble, Mr. Herbert Skinner and Mr. J. C. Young—but other notables in pharmacy who danced, supped and applauded the acrobatics of the marvellous roller-skaters in the cabaret scene were too numerous to individualise. A novelty in prize distribution was introduced, the prize-winners—half a dozen in number—being selected by the numbers of their cloak-room tickets. Altogether a most successful function indicating careful preparation on the part of the social secretaries and all concerned.

### Manchester

On March 11 the Manchester Branch of the Guild of Public Pharmacists held a meeting at the Memorial Jewish Hospital, where Mr. A. E. Teesdale, pharmacist to the Hospital, gave



an address on "Apprenticeship in Hospital." The superintendent (Mr. H. E. Mitchell) welcomed the members of the Branch on behalf of the board of management. In his opinion, hospitals would ask, more and more, for hospital-trained pharmacists; he showed how the Pharmaceutical Department of the Jewish Hospital had increased and how the costs had been kept on a low level, despite the high cost of many preparations, by the making of prescriptions by Mr. Teesdale. The chairman thanked the superintendent and the assistant matron for the welcome and for their hospitality. Mr. Teesdale read his paper and showed galenical and other preparations that his apprentices had made. Questions were asked by Mr. Phillipson, Mr. Brindle and Miss Roberts. Mr. H. Pash proposed a vote of thanks to Mr. Teesdale. Afterwards the members were shown over the various departments of the hospital.

The annual smoking concert in aid of the Benevolent Fund, organised by the Manchester, Salford and District Branch of the Pharmaceutical Society, was held at the Victoria Hotel on March 19, Mr. J. H. Franklin in the chair. A popular and varied entertainment was given by Miss M. Lowther, Miss N. Wardle (accompanist and solo pianoforte), Messrs. Jack Roberts, Jack Parker and Keith Trevelyan. Mr. Franklin, during the interval, made an appeal on behalf of the Fund. During the evening Mr. R. B. Maskell, chairman of the Junior Branch of the Association, presented a cheque for £15 to the chairman, the proceeds of a dance organised jointly by the local branch of the Guild of Public Pharmacists and the Junior Branch of the Association in December last. He said this was an annual effort, and they hoped next year to increase this contribution. The chairman asked Mr. Maskell to convey their warmest thanks and appreciation to the organisations responsible. The proceeds of the concert, including the cheque for £15, amounted to over £33; probably this sum will be augmented before the accounts are closed.

### Plymouth

The students of the Plymouth and District Branch of the Pharmaceutical Society held a dance and supper at Goodbody's Café on March 11, when over 100 chemists, students and their friends were present.

On March 10 Mr. Gartside, Ph.C., B.Sc. (Evan's Biological Institute), gave an illustrated lecture to members of the Plymouth and District Branch of the Pharmaceutical Society on "The Preparation and Standardisation of Antitoxins and Prophylactics, with Special Reference to Diphtheria." The lecture and a film entitled "Behind the Doctor" were much appreciated by the large gathering of doctors, chemists and students. The chair was occupied by the president (Mr. C. J. Yeates).

### Portsmouth

At the final meeting of the present session of the Portsmouth Branch of the Pharmaceutical Society an address was given by Mr. R. P. Page, Portsmouth public analyst, on "The Relation of Food to Disease."

A special meeting of the chemists of Portsmouth and district was held at the Southsea Club recently to discuss the Chemists' Friends scheme. Mr. W. L. B. Murray occupied the chair. The secretary gave a report of the N.P.U. Conference held on January 29, and considerable discussion took place. Despite the good attendance, it was decided to circularise every chemist in the area with an invitation to state definitely his intention to put the scheme into operation. If a substantial majority expressed willingness to adopt the scheme, further action would be taken.

### Miscellaneous

**FIVE-DAY WEEK.**—Proprietary Agencies, Ltd., Acton Vale, London, W.3, inform us that as from April 1 they are experimentally putting their factory and offices on a five-day week basis, and that the premises will be closed on Saturday mornings.

**THE SAMPLING OF DRUGS.**—Attention was drawn, at a recent meeting of a committee of the East Suffolk County Council, to the wide variation in the number of samples of food and drugs taken during a given period in different areas under the control of the Council. While one borough had sampled at the rate of 3.44 samples per 1,000 inhabitants, the rate for the rest of East Suffolk was 0.83 per 1,000 people. The county medical officer was of opinion that at least two samples per 1,000 people should be taken annually.

## Irish Notes

### Pharmaceutical Society of Ireland

The calendar of the Society for the current year has been sent out this week to all members of the Society. Any member who has not received a copy should communicate with the Registrar, 67 Lower Mount Street, Dublin.

The latest dates for making application for the forthcoming examinations of the Pharmaceutical Society of Ireland are Tuesday, March 31, for the Registered Druggist examination, Monday, April 6, for the Pharmaceutical Licence examination, and Thursday, April 6, for the Pharmaceutical Assistants' examination.

The Regulations for the Licence examination have been altered. Instead of paying a fee of £10 10s. for examination and £4 4s. for re-examination, the fee for examination and re-examination is now £5 5s. Candidates entering for the Licence examination for the first time after March 31 will be required to pay a registration fee of £10 10s. on passing the examination before being registered. The fee for registration of apothecaries as pharmaceutical chemists has been fixed at £10 10s. instead of £3 3s. With regard to the Assistants' examination, the fee in future for examination or re-examination will be £2 2s. Successful candidates will be required to pay a further fee of £1 1s. before being registered.

### Irish Drug Association

A special meeting of the Irish Drug Association was held on March 18 at Jury's Hotel, Dublin, to consider proposals with regard to the constitution of the Association. Mr. T. C. Scott (president) was in the chair. Mr. Sean O'hUadhaigh explained the legal position in relation to the proposal to register the Association under the Trades Union Acts. He outlined the legal benefits and protection such registration conferred on the I.D.A. On the motion of Mr. G. McLean Lee, seconded by Mr. John Smith, the following resolution was unanimously adopted: "That the Executive Committee of the Irish Drug Association be hereby authorised to register the Association under the provisions of the Trades Union Acts, 1871-1917." Mr. R. J. Kidney (secretary) read the rules of the Association as settled by counsel to the Association. On the motion of Mr. A. J. Donnell, seconded by Mr. P. A. Brady, the following motion was also unanimously approved: "That the rules of the Irish Drug Association as settled by counsel, and amended at this meeting, be adopted as the rules of the Irish Drug Association." The following officers were elected until the annual meeting of the Association: *Trustees*, Dr. J. A. Mitchell, Mr. T. C. Scott and Mr. G. A. McLean Lee. *Auditor*, Miss Anne MacNamara, A.S.A.A. *Solicitors*, Messrs. Little, O'hUadhaigh & Proud. *Treasurer*, Mr. G. A. McLean Lee.

### Brevities

Sir Frederick Cleaver, a well-known Belfast business man, collapsed and died on the pavement outside the pharmacy of Mr. D. A. Taylor, Ph.C., Stranmillis Road, Belfast, on March 21.

At the Silver Jubilee banquet to the Dublin Rotary Club, at the Gresham Hotel, Dublin, recently, Sir Thomas Robinson, M.C.P.S.I. (Hayes Conyngham & Robinson), one of the club's past-presidents, was presented with a medal.

Damage was done by a fire last week at the pharmacy of Adamson & Co. in Ballina, co. Mayo. The fire brigade, after several hours, succeeded in preventing the flames spreading to adjoining premises. The cash register was saved by an employee of the firm.

James McDowell, who achieved success as a broadcaster with his story of William Henry, a Belfast boy who became a Shakespearean actor in England one hundred years ago, is the twelve-year-old son of Mr. James McDowell, Ph.C., Newtownards Road, Belfast.

A debate arranged between the Alembic Society and the Chemists' and Druggists' Society on "The Poisons Laws: Should All Poisons and Potent Drugs be Sold Only by Qualified Persons?" will take place at 11 Waring Street, Belfast, on March 31, at 8.30 p.m. The meeting is open to all connected with the drug business.



## Scottish Notes

### Scottish Pharmaceutical Federation

A largely attended meeting was held in the Ca'doro Restaurant, Union Street, Glasgow, on March 18, when an address on "The Law and the Profits" was given by Mr. Arthur Mortimer, barrister-at-law, secretary of the Wholesale Drug Trade Association. Mr. P. M. Duff (president of the Federation) occupied the chair, supported by Mr. John Weir (vice-president) and Mr. H. Graham Macmillan (secretary and treasurer). Mr. Mortimer said that when the 1933 Act was passed, he had stated that a disciplinary rope was being put round the neck of pharmacy, which was governed by some sixty or seventy Acts and was more hampered in this country by legislation than any other trade or profession. Law, however, was only applied common sense. The chemist should know his legal relationship to the customer and to the wholesaler. He should know that an officer of the Crown had the right to purchase any article in the window at the price shown. If by accident the wrong label fell on an article in the window and the label stated "My price is a shilling," the customer could claim the article at the price stated; but if the price alone was indicated, it was for the shopkeeper to say whether he was prepared to make a bargain at that figure or not. Mr. Mortimer dealt with the voiding of contracts, contracts with servants, and other topics. If retailers went direct to manufacturers for their supplies, he said, they would have to buy on manufacturers' terms and put money in dead stock. Wholesalers and retailers rendered each other mutual service. Some big buyers thought they were entitled to receive wholesale terms. They were not so entitled, for wholesale terms were given for services rendered. The big buyer was only entitled to receive discount for quantity. On the subject of salesmanship, Mr. Mortimer said they should teach their assistants to ask the right questions, show the right goods and display proper courtesy after a sale. All classes of customers should receive the same courtesy. The shop itself, the assistants, and even the personal appearance of the chemist, were all advertisements for the business. No multiple store could compete with the personality of the individual chemist; but however much they

might know of the rules and routine of the business, they could not succeed unless they knew the people and the people knew them. Mr. Mortimer advised his hearers to limit the number of varieties of certain articles, to keep down the amount of slow-selling goods, and to test the pulling power of different types of advertising. The staff should be regarded as colleagues, not cogs in a machine. The customer who came with a genuine complaint was a friend. The speaker concluded with a brief reference to the Pharmacy and Poisons Act. In his view, it contained some things for which they ought to be thankful. If they pulled together, better times were in store for pharmacy than they had ever experienced. Various questions were asked and answered, Messrs. D. G. Mackenzie, D. Duncan and A. W. Hendry taking part in the discussion. A vote of thanks to the speaker, proposed by Mr. John Weir, terminated the proceedings.

### Brevities

The total number of cases treated in all departments of the Aberdeen Dispensary and Vaccine Institution during 1935 was 14,454, compared with 14,755 in 1934.

At a meeting of the Paisley and District Chemists' Association, on March 23, Mr. McKeir (vice-president) in the chair, Mr. J. B. Beyers (sales manager, McGavigans, Ltd.) gave an address on "Window Display." Mr. Beyers subsequently answered questions asked by Messrs. Whiteford, Stuart and Young. A discussion followed.

Mr. John Maxwell, who has carried on business as a chemist and druggist in The Square, Kelso, for nearly forty years, has retired. A native of Roxburgh, where his father was a schoolmaster, Mr. Maxwell was apprenticed in 1883 in the shop from which he has now retired, then owned by Mr. J. M. Massey. Later he entered into partnership with Mr. Massey, and on Mr. Massey's death he took Mr. T. Nichol as partner. When Mr. Nichol died Mr. Maxwell retained the business. A keen freemason for forty-five years, Mr. Maxwell is also well known throughout Scotland as a canine enthusiast, particularly in connection with Dandie Dinmonts and Scottish terriers.

# Topical Reflections

By Xrayser

## The Address

given by Mr. Dick at Birkenhead (C. & D., March 21, pp. 345, 348) is a refreshing contrast to the speech of the average member of the Pharmaceutical Society's Council. The average candidate puts his views before the electors and promises a new heaven and a new earth if he is elected. In due time he gets on the Council; and in the majority of cases he is heard little or again or quickly falls under the spell of the officials and those who support him. He may occasionally struggle to get free, but the net of tradition holds him fast, and in course of time he ceases to have a mind of his own. Mr. Dick, to judge from his address, has not yet succumbed to the spellbinders but can still think for himself. We may not always agree with him, but that is, after all, a small matter. One important statement, that our present system of election lends itself to group control, I heartily endorse. This means that to a great extent London men attend meetings of committees, because those who live at a distance, although they may attend full meetings of Council, cannot always conveniently get away for other meetings; this is a situation noticeable in all associations with headquarters in London. One suggestion to better this state of affairs is for the Council to meet occasionally in the provinces and get members of the Society in the districts concerned to attend meetings not held in committee. This method is occasionally adopted by similar societies, and always with advantage. Regarding the formulating of another Pharmacy Bill I am very sceptical. It will be extremely difficult to get members of Parliament interested in such for many years; we must make the best of the Bill we have, and try to make up for its deficiencies by increased attention in developing what has been left to us.

## I Have Refrained

from commenting at any length on the Chemists' Friends scheme, realising as I do that there are at least two, if not more, sides to the subject; but I think that "Galenical" (p. 356) is unduly hard on the promoters of the scheme in speaking of its "futility." I think the majority of pharmacists will agree that, ethically, the demands of those who have framed the scheme are just. It is surely right that pharmacists alone should sell medicinal specialities, for the reason that they of all traders know, or should know, just what they are selling. (Incidentally, the Pharmacy League's candidate (p. 356) makes the same point.) Is it quite correct to say that pharmacists have "overlapped" into certain trades? The truth is that once they were the sole suppliers of many of the goods now sold by other traders, and they may rightly claim that these have filched away what once was solely theirs; as pharmacy has developed pharmacists have dropped many classes of goods that fifty years ago were regarded as definitely theirs. This question of the "rights" of the public can be argued *ad nauseam*; admittedly there are unqualified men who have a grievance against the manufacturers of "C.F." lines because they cannot now obtain them, and there may be hardship to the public because of this—I have already had instances brought to my notice—but is there any necessity to sell nationally advertised lines through 120,000 patent medicine holders? The sale of medicines does not proceed along the usual economic lines, and it does not follow that the more points of contact there are with the public the more goods will be sold. I am hoping that the negotiations between the N.P.U. and the manufacturers will bring forth fruit, and that it will be found there is room in pharmacy for both points of view.



## Legal Reports

**Injunction Granted.**—In the Chancery Division of the High Court, London, on March 24, Mr. Justice Luxmoore had before him a motion for judgment, in default of the delivery of defence, in the action *Veno Drug Co., Ltd., v. Germicure Hospital and Henry Miller*. Mr. Stamp, K.C., said the action was brought to restrain the defendants from passing off. Although there appeared to be two defendants, in fact there was only one, Henry Miller, who carried on the business as the Germicure Hospital. The plaintiffs were owners of a well-known product, Germolene, and the defendant had been selling ointment saying it was Germolene or a mixture of other ointment and the plaintiffs' product. Counsel asked for an injunction to restrain the defendant from selling or passing off as Germolene ointment which was not of the plaintiffs' manufacture. Mr. Justice Luxmoore made the order in the terms asked for.

**Non-Alcoholic Wines.**—A reserved decision regarding two summonses against Melias, Ltd., Liverpool, for having sold raspberry and cherry wine alleged to be not of the quality demanded was given by the magistrate at Wolverhampton Police Court on March 25. His worship said the test was what an ordinary person expected to get having read the description. His view was that he would expect to obtain something with a considerable amount of juice of the fruit specified. They had heard expert witnesses say that the beverages ought to have contained about 30 per cent. of juice, but he did not propose to specify any standard of juice because he did not think it necessary. If a person thought he was getting the juice of raspberries and cherries and did not get them, it would appear that the bottles were not properly labelled. He had arrived at the conclusion that the summonses had been substantiated. He would say that he knew the beverages were quite wholesome. He imposed a fine of £2, and directed the defendants to pay half of the special costs of £8.

**Structural Alterations.**—In the Chancery Division of the High Court, London, on March 24, Mr. Justice Eve concluded the hearing of the case of *Smith v. Lewis & Burrows, Ltd.*, which concerned the lease of the basement of No. 30 Baker Street, W.1. The lessor, Miss Kate Smith, who occupies the upper floors of the building, sought a declaration that alterations carried out by the defendants in the basement constituted a breach of a covenant in the lease under which they agreed not to make any alterations. She also asked for damages. The defendants admitted some of the alterations alleged, but pleaded that they were carried out with the consent both of the plaintiff and superior lessor and the approval of the surveyor to the Portman estate. Mr. R. L. Edwards appeared for the plaintiff; the defendants were represented by Mr. Wynn Parry, K.C., and Mr. C. R. R. Romer. Mr. Edwards said the basement was leased to the defendants in April 1935 for sixteen years. The defendants covenanted not to make any alterations in the premises, in spite of which they had cut one room in two and altered the forecourt in such a way as to injure the letting value of the property. Miss Smith, in the witness-box, said these alterations were carried out without her permission and caused her much inconvenience. Mr. Eric A. Day, architect, said that as the result of the defendants' action in covering the forecourt with pavement lights in place of the original grating the ventilation had been reduced to a quarter of what it was originally. Mr. Ernest W. Gough, managing director of Lewis & Burrows, Ltd., said they would not have leased the basement if they had not been able to alter the forecourt and put in pavement lights. The alterations had improved the property. Mr. Justice Eve, giving judgment, said the defendants admitted a breach of covenant, and therefore the only question was the amount of compensation to which the plaintiff was entitled. No doubt the premises were improved by what the defendants did and were in a much better condition, but it was done without permission, and therefore he awarded plaintiff £50 damages, with costs.

**Medicine Stamp Acts.**—At Accrington Police Court, on March 18, J. W. Lightbown & Sons, Ltd., manufacturing confectioners, Manchester Road, were summoned for failing to use medicine stamps on their tins of Grips pastilles. Mr. Leslie Pocock, prosecuting, said the company were given an oppor-

tunity to make an explanation in writing. Their reply was that medicine-stamp duty had not been required and a stamp had never been affixed to the pastilles. In a further letter to the Commissioners, the company pointed out that the agent who prepared their advertising had the strictest instructions against the use of any terms suggesting that the pastilles were for the cure or relief of any sort of human ailment, the letter adding that they had been making Grips over forty years. The advertising agent stated that the transgression concerning the phrasing of the advertisement was inadvertent, and deeply regretted. Mr. R. K. Whitaker, defending, submitted that at the time of sale the representation in respect of which the firm were summoned had not in fact been made, and was not made until a month later. Mr. Pocock said this was a good point, but it had been dealt with by the statute. Otherwise, there would be nothing to prevent wholesalers selling millions of tins one day and sending literature and displaying advertisements the day afterwards. Mr. Whitaker said the point for the Bench to decide was whether, in their view, the advertisement claimed that Grips set out to cure any specific ailment. He submitted it bore an entirely different construction. The Bench decided that a technical offence had been committed, and imposed a fine of £10, with £5 5s. costs.—At Bolton, on March 19, Percy W. Hardcastle, described as the managing director of a drug store in Bradshawgate, was summoned for having sold a packet of chilblain paste unstamped. The defendant said the paste did not require an excise stamp. Petroleum jelly was claimed as a cure for rheumatism, etc. The Clerk: It is not a question of claiming a cure so much as to whether the formula is known, admitted and approved. Mr. Pocock (prosecuting): Even an approved medicine can only be sold by qualified chemists. It was stated that Hardcastle had been a source of trouble to the Commissioners for some years. A fine of £10 was imposed.—At Ilkeston, recently, Abram Barker, Sandiacre, pleaded "Guilty" to a charge of selling a dutiable medicine unstamped. It was stated that the defendant was a boot repairer who sold certain preparations, including a corn cure and a liniment. In reply to the magistrates, the defendant said he made the liniment himself. A fine of £5, with 42s. costs, was imposed.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1936, p. 322.

(From "The Trade Marks Journal," March 11, 1936.)

- "DIXISLE"; for chemical substances (1). By W. Dixon & Co. (Isleworth), Ltd., 240 Twickenham Road, Isleworth, Middlesex. 565,500.
- "ZOPHONE"; for telephone disinfectant (2). By Thornton & Ross, Ltd., Colne Vale Road, Milnsbridge, Nr. Huddersfield. 565,361.
- "SIROM"; for insecticides, disinfectants and deodorants (2). By J. Morris & Sons, Ltd., Blackpool Street, Cross Lane, Salford. 566,105.
- "STEX"; for flypapers (2). By Blyth & Platt, Ltd., Greatham Road, Watford, Herts. 565,029.
- Design incorporating firm's name, monogram "N.F." and map of England (map disclaimed); for fertilisers. By National Fertilizers, Ltd., 95 Gresham Street, London, E.C.2. 565,270.
- Design incorporating flower and words "Garden Fertility" ("Garden" and "Fertility" disclaimed); for horticultural products (2). By Garden Fertility, Ltd., 12 Nelson Road, Wanstead, London, E.11. 565,936.
- "EOTANE"; for all goods (3). By J. Bell, Hills & Lucas, Ltd., 14 Tower Bridge Road, London, S.E.1. 564,324.
- "PHEN"; for medicated preparations for colds (3). By V. Latty, Ltd., Temple Gate, Bristol, 1. 565,277.
- "TELLANGIN"; for pharmaceutical preparations for the throat (3). By E. Tell Fabrik Chemisch-Pharmazeutischer Präparate, Windscheidstr. 18, Berlin-Charlottenburg 5, Germany. 564,600.

### RECTIFICATION OF THE REGISTER

Pursuant to a decision made on February 5, 1936, the Register of Trade Marks has been rectified by the removal therefrom of Trade Mark No. 495,539 in Class 48 in the name of Société Parisienne des Produits de Beauté Gamna Walska.



## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office**

**NEWGATE TOILET CO., LTD. (P.C.).**—Capital £100. Objects: To carry on the business of dealers in perfumery, toilet articles, medicines, etc. Solicitors: Stone & Stone, 69 Moorgate, E.C.2.

**KORAY, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and dealers in medicines and drugs, chemists, druggists, etc. Isaac Kwintner, 100 Brec-knock Road, N.7, director.

**SANI-CHEM PRODUCTS, LTD. (P.C.).**—Capital £1,000. Ob-jects: To carry on the business of wholesale and retail manu-facturing and dispensing chemists and druggists, etc. R.O.: 18 Burlington Mews West, W.2.

**STANDARD MEDICAL APPLIANCES, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers and sellers of medical and surgical appliances, etc. R.O.: 295 Sandy-combe Road, Kew Gardens, Surrey.

**CIRCLE CELL SALT CO., LTD. (P.C.).**—Capital £100. Ob-jects: To carry on the business of manufacturing chemists and druggists and manufacturers of toilet preparations, etc. Lionel Atherton, 24 Welbeck Street, W.1, director.

**CENTRAL PHARMACY, LTD. (P.C.).**—Registered in Dublin. Capital £500. Objects: To carry on the business of manufac-turing pharmaceutical and analytical chemists and druggists, dispensers, etc. The first directors are not named.

**GUY MAXWELL, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. The first directors are not named. R.O.: 8 New Court, Lincoln's Inn, W.C.2.

**NEMO CHEMICAL CO., LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and dealers in stain removers, cosmetics, creams, soaps, perfumes, etc. Solicitors: Geo. C. Carter & Co., 3 Arundel Street, W.C.2.

**C. E. S. Co., LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical preparations relating to the elimination of vermin, etc. R.O.: Vernon House, Bloomsbury Square, W.C.1.

**R. ABRAMS (CHEMIST), LTD. (P.C.).**—Capital £100. Ob-jects: To acquire the business of a chemist and druggist lately carried on by David Abrams at 51, Bury Old Road, Sedgley Park, Prestwich, Manchester, and now belonging to his wife, Ruth Abrams.

**COSMOVOX, LTD. (P.C.).**—Capital £800. Objects: To carry on the business of manufacturers of and dealers in indicating devices and industrial, chemical and pharmaceutical articles, etc. The first directors are to be appointed. R.O.: 33 Strand, W.C.2.

**LANE BROTHERS (TAR DISTILLERS), LTD. (P.C.).**—Capital £50,000. Objects: To acquire the goodwill and assets of the various businesses belonging to James R. Lane and Josiah B. Lane, as "Lane Brothers," etc. Solicitors: Piusent & Co., 6 Bennetts Hill, Birmingham.

**LONDON ORGANO-THERAPEUTIC LABORATORY, LTD. (P.C.).**—Capital £100. Objects: To acquire the recipes and full in-formation as to the processes of manufacture and the right to manufacture all kinds of medicines and medical preparations and drugs, etc. R.O.: Shell-Mex House, Strand, W.C.2.

**SURE FEED, LTD. (P.C.).**—Capital £3,000. Objects: To acquire an invention relating to feeding bottles and attach-ments thereto, for which provisional protection has been granted to Cecil Hughes, No. 20864, and to carry on the business of manufacturers of and dealers in feeding utensils and apparatus of all kinds for infants, invalids, etc. Solicitor: E. Bevan-Thomas, 4 St. John's Square, Cardiff.

**THE BRITISH DRUG HOUSES, LTD.**—At a meeting of the board of directors held on Thursday, March 26, it was decided to recommend the payment of 5 per cent. dividend, less tax, on the ordinary shares, for the year ended December 31, 1935.

**WRIGHT, LAYMAN & UMNEY, LTD.**—A dividend of 5 per cent., less tax, will be paid on the ordinary shares for 1935 on April 8. On that date 2½d. a share will also be distributed out of investment realisation profits. This latter distribution will not be liable to tax. In view of the fact that a distribution of 9½d. a share was made from this source on September 30, the net distribution on the ordinary shares for 1935 is slightly in excess of that for 1934, when 10 per cent. was paid, less tax.

**JOSEPH CROSFIELD & SONS, LTD.**—Net profits for 1935 are shown in the accounts at £788,758, against £748,731 for 1934. Dividends on the pre-preference and preference shares call for £227,500. The payment for the year on the ordinary shares is raised from 30 per cent. to 37½ per cent., absorbing £562,500, leaving the balance forward with little change at £156,458 (against £157,700). Interests in allied companies stand at £3,301,775, and shares and debentures in subsidiaries at £799,969. Stock, debtors, and cash total £752,560, against current liabilities, including dividend requirements of £558,295.

**BRITISH PEPPER & SPICE CO., LTD.**—A net profit of £8,689 is shown by the accounts for 1935. This compares with £14,136 for 1934. Trading was disorganised during the first half of the year, states the report, owing to the collapse of the pepper market, but during the latter part conditions improved and trade was fair. The dividend is reduced from 6½ per cent. to 5 per cent., and the allocation to reserve is halved at £2,500, leaving the "carry forward" but little changed at £1,265. A consolidated statement of the assets and liabilities of the subsidiary companies shows net current assets at £56,184. Meeting, March 31.

**J. & E. ATKINSON, LTD.**—Profits rose from £10,582 in 1934 to £26,695 in 1935. Including £3,214 reserve no longer re-quired in connexion with the loss on liquidation of a subsidiary company and £5,806 brought in from the previous year, £35,715 is available for distribution. After providing for the preference dividend the directors propose to pay 3½ per cent. on the ordinary shares, to transfer £14,597 to general reserve, and to carry £7,617 forward. Twelve months ago 2½ years' preference dividend was paid, thus clearing off arrears. Ex-cluding interest in the subsidiary companies, floating assets total £138,956; current liabilities and dividend requirements amount to £139,590. Meeting, April 3.

## Business Changes

**CONDY U'REN & SON**, chemists, 55 Coburg Street, Plymouth, opened a branch at 3 Russell Street on March 21.

**MR. H. HOLMES**, chemist and druggist, has acquired the business of Mr. W. B. Douglas, 1 Victoria Parade, Torquay.

**MR. R. L. DAVIS**, chemist and druggist, has purchased the business at 55 West Street, Dorking, formerly carried on by Mr. R. M. Wardle.

The telephone number of P. Samuelson & Co. (essential oil importers), 17 Creechurch Lane, London, E.C.3, has been changed to Avenue 5874/5.

**MR. KENNETH J. C. McLENNAN**, chemist and druggist, has purchased the branch of Woodlands (Chemists), Ltd., at 4 Cleveland Place East, Bath.

**MRS. J. D. McINTYRE** is continuing the business at 87 Grange Road, Birkenhead, following the death of her husband, Mr. James McIntyre, chemist and druggist.

**MR. R. ASPDEN**, chemist and druggist, 45 Grasmere Road, Blackpool, is shortly opening premises in the same thorough-fare at the corner of Westmorland Avenue.

**WILLIAM CHARLES BRUMLEU** (E. G. Densley) removed on March 25 to Dunster House, Mincing Lane, London, E.C.3 (Telephones: Mansion House 3150 and spice dept. 2930).



# Medicines and Surgical Appliances Bill

1.—(1) Subject to the provisions of this section, it shall not be lawful in connection with the sale or supply, or offer for sale or supply, of a medicine or surgical appliance, or in connection with the administration of, or offer to administer, any treatment, for any person, by any method of advertisement whatsoever, including any notice, circular or other document, and any announcement made (whether by himself or any other person, and whether by word of mouth or by means of wireless broadcasting, gramophone records or any other mechanical means) in any public place or place to which the public have access, to hold out the medicine, appliance or treatment to the public, whether directly or by implication as being effective in the case of human beings for any of the following purposes, that is to say:—

- (a) for the cure of Bright's disease, cancer, consumption, diabetes, epilepsy, fits, locomotor ataxia, lupus or paralysis, or for preventing any of those ailments or for producing any beneficial effect with respect to the course of any of those ailments;
- (b) for the cure of amenorrhœa, hernia, blindness, or any structural or organic ailment of the auditory system;
- (c) for procuring the miscarriage of women;
- (d) for the cure of habits associated with sexual excess or indulgence, or of any ailment associated with those habits, or for the promotion of sexual virility in men or of sexual desire in women;

Provided that a person shall not be convicted of an offence under this section by reason only of his sending or delivering, or causing to be sent or delivered, a package containing a medicine or surgical appliance, notwithstanding that it also contains a circular or other document in which a medicine or appliance is held out in contravention of this section, if the package was supplied to him by another person (being a person ordinarily resident in, or a corporation incorporated under the laws of the United Kingdom) and is sent or delivered in the form in which it was supplied to him.

(2) The foregoing subsection shall not apply to the holding out as therein mentioned of a medicine, surgical appliance or treatment—

- (a) to any of the following persons, that is to say, duly qualified medical practitioners, registered dentists, registered nurses, registered pharmacists and authorised sellers of poisons, the governing body, managers and staff of a hospital, infirmary, asylum, poor law institution or sanatorium, and persons carrying on a profession or business which includes the practice of medicine, surgery, or dentistry, or the sale or supply of medicines or surgical appliances;
- (b) in a publication of a technical character *bona fide* intended for circulation mainly amongst the classes of persons mentioned in the last preceding paragraph or some one or more of those classes;
- (c) in connection with an application for a patent, so far as may be requisite for the purposes of the application;
- (d) to a person for whom the medicine, surgical appliance or treatment has been prescribed by a duly qualified medical practitioner or a registered dentist;
- (e) so far as regards the holding out of an article of diet or a course of diet as being effective for preventing or producing a beneficial effect with respect to the course of any of the ailments specified in paragraph (a) of the foregoing subsection, if in the case of an article of diet the holding out is accompanied by a definite indication that the article of diet is so held out only as such and not as a medicine.

(3) The Minister of Health may from time to time by order direct that this section shall, as respects any of the ailments aforesaid specified in the order, cease to apply, either generally or so far as regards the holding out of any particular medicine, surgical appliance or treatment in any manner so specified.

(4) In this Act the expression "medicine" means any kind of medicament or other curative or preventive substance, and includes any substance which purports to be or is represented, directly or by implication, as being a medicine, and the expression "surgical appliance" includes any device which purports to be or is represented, directly or by implication, as being such an appliance.

2.—(1) Subject to the provisions of this section, no person, being the proprietor, vendor or distributor of a medicine or surgical appliance, or a person who administers any treatment, shall publish or cause or to be published any advertisement, or send or deliver or cause to be sent or delivered to any person any circular or other document, which to his knowledge contains an intimation, whether direct or applied, to the effect that a person is prepared—

- (a) to diagnose by correspondence, diseased conditions or any particular diseased condition in a human being, or to receive from any person a statement of his or any other person's symptoms of ill health with a view to advising as to, or providing for the treatment of, such ill health by correspondence; or
  - (b) to treat by correspondence any of the ailments specified in section one of this Act.
- (2) The foregoing provisions of this section shall not apply—
- (a) in any case where the person whose condition is to be diagnosed or of whose symptoms a statement is to be received or who is to be treated has been in personal touch with and stands in the relation of patient to the person who is to diagnose his condition, advise as to or provide for the treatment of his ill health or treat his ailment, as the case may be; or
  - (b) to an intimation to the effect that a person is prepared to receive from a correspondent who has stated or states that he knows himself to be suffering from a particular ailment (not being any of the ailments specified in paragraph (a) of subsection (1) of section one of this Act or amenorrhœa or blindness) particulars or measurements required with a view to the supply of any article for use in the treatment of that ailment.

3.—(1) Any person acting in contravention of any of the provisions of this Act shall, in respect of each offence, be liable on summary conviction to imprisonment for a term not exceeding three months, or to a fine not exceeding fifty pounds or to both such imprisonment and fine, or on conviction on indictment, to imprisonment for a term not exceeding twelve months or to a fine not exceeding one hundred pounds, or to both such imprisonment and fine.

(2) In England and Wales a prosecution for an offence under this Act shall not be instituted without the consent of the Attorney-General.

(3) A person carrying on, or employed in, the business of a proprietor, publisher, printer or distributor, of newspapers or periodicals, or of a printer or distributor of circulars or other documents or of an advertising agent, shall not be liable to be convicted in proceedings for, or in respect of, an offence under any of the provisions of this Act by reason only of the fact that he has in the ordinary course of that business or employment taken part in advertising any medicine, surgical appliance or treatment specified in subsection (1) of section one of this Act, or in the publishing of any advertisement containing the intimations described in paragraphs (a) and (b) respectively of subsection (1) of section two of this Act, or either of those intimations.

(4) A person *bona fide* professing religious belief in the effectiveness of means, not involving the use of a medicine or surgical appliance, of fulfilling any of the purposes mentioned in paragraph (a) or paragraph (b) of subsection (1) of section one of this Act or of curing habits associated with sexual excess or indulgence or any ailment associated with any of those habits, shall not be deemed to act in contravention—

- (a) of section one of this Act by reason of his holding out that means as effective in that behalf; or
- (b) of section two of this Act by reason of his publishing or causing to be published, or sending or delivering or causing to be sent or delivered, an intimation that a person is prepared to employ that means in that behalf by correspondence;

if in so doing he acts in accordance with the principles and practice of a religious body or denomination comprising a substantial number of persons resident in the United Kingdom who profess that belief and is duly authorised in accordance with the constitution of that body or denomination so to do.

4.—[Title, date of commencement, etc.]



# Pharmaceutical Society of Northern Ireland

## Council Meeting

THE monthly meeting of the Council was held on March 20 in the Society's offices, 73 University Street, Belfast, the president (Mr. W. S. Taylor) in the chair. There were present also Messrs. Samuel Gibson (vice-president), J. E. Connor, S. S. Badger, J. F. Grimes, R. I. Edwards, S. H. Forrest, W. C. Tate, J. T. Nicholl, H. F. Moore, W. Martin, Charles Abernethy, John Gray, James Glendinning, James McDowell, Professor S. C. B. Mayrs, Dr. S. E. A. Acheson. Mr. D. L. Kirkpatrick (secretary) was in attendance.

### CORRESPONDENCE

The Chemists' and Druggists' Society of Ireland wrote with reference to the Pharmaceutical Society's invitation to hold their meetings on its premises, stating that when the occasion arose the Society would be glad to avail themselves of the kind offer.

Thanks were ordered to be sent to Messrs. Burroughs Wellcome & Co. for their gifts of plants and seeds, which the secretary reported were doing well.

Mr. C. Morley, Basingstoke, presented the Society with ten volumes of the "Year-Book of Pharmacy," and a letter of thanks was ordered to be sent.

Mr. P. F. Gillies, principal of the Technical School, Ballymena, wrote with reference to the Council's request that the non-attendance of apprentices at the pharmacy classes should be reported:—

"Surely the pharmaceutical chemists whose apprentices have been defaulting in their attendance here should have communicated direct with me and obtained the information required by them. I cannot agree to send the 'Absentee Notices' to employers instead of the boys' homes, unless I am specially requested to do so in any particular case."

MR. CONNOR asked if there was any ruling on the matter.

THE PRESIDENT said they could not compel the schools to take the action desired.

THE SECRETARY said they would only do it where the employers paid the fee. If applications were made the schools would let them know.

THE PRESIDENT said he had talked the matter over with Mr. Mansfield, the Technical School principal in Enniskillen, who died a few days ago. His two sons were pharmaceutical chemists, and he thought the Council should send a resolution of sympathy to his widow.

MR. BADGER seconded the resolution, which was passed.

### AMENDMENTS TO THE REGULATIONS

The following letter from the Ministry of Home Affairs was read:—

I am directed by the Minister of Home Affairs to return herewith the draft regulations submitted by your Council and to state that, after consultation with the Ministry of Education, the Minister would be prepared to approve of the Regulations as amended. I am at the same time to make the following observations in relation to certain clauses as drafted by the Pharmaceutical Society:—

#### Regulation 6:

The Ministry does not think that any useful purpose can be served by the retention of this Regulation, as the subject-matter contained therein is already fully covered by Section 7 (7) of the Pharmacy and Poisons Act of 1925.

#### Regulation 61:

Notwithstanding the fact that this Regulation formed part of the 1929 Regulations, the Legal Adviser to the Ministry is of opinion that it is *ultra vires* in that it imposes conditions which are contrary to the provisions of Section 7 (6) of the Pharmacy and Poisons Act, 1925, and Part IV of the Second Schedule to the Act.

#### Regulation 62 as renumbered:

After consultation with the secretary of the Pharmaceutical Society the Ministry is of opinion that the proviso at the conclusion of this Regulation is unnecessary.

#### Regulations 66-71:

These have been redrafted with the object of making it clearer what examinations are referred to. This has been done to meet the views of the Ministry of Education.

I am to add that the Ministry of Education have expressed the view that "the syllabuses set forth in Appendix C would appear to be satisfactory from an educational standpoint and no modification of

them is suggested. The courses covered by the syllabuses are, however, so long that, in the opinion of this Ministry, the study of them imposes a strain upon apprentices who may have to serve long hours for their employers before they can engage upon their studies. It is suggested, therefore, that consideration should be given to the question of allowing apprentices and assistants time for study."

(Signed) THOS. S. STRAHAN,  
For Secretary.

MR. CONNOR suggested that the letter be sent to the Education Committee.

THE SECRETARY said what the Ministry were getting at was the boys working too late at night.

MR. ABERNETHY said the Government should be informed of the long hours worked by both employers and employed.

MR. GLENDINNING said his assistants got away at 6.30 p.m. They had an eight-hour day in Londonderry.

MR. ABERNETHY: I am open till 10 p.m.

THE PRESIDENT said nothing would be done except they had a Government order.

MR. CONNOR asked what closing really was. Some just closed the outer door but had all the lights going as usual.

THE PRESIDENT said that in Enniskillen the Urban Council prosecuted anyone opening on the half-day.

MR. GLENDINNING said they had an inspector going round in Londonderry also.

MR. EDWARDS said he closed at 8 p.m.

MR. McDOWELL said that some new men opening had filled in 11 p.m. as the closing hour for N.H.I.

MR. ABERNETHY said they had a good opportunity now to tell the Government there should be compulsory shorter hours.

MR. McDOWELL said it was really a matter for the Corporation, so far as Belfast was concerned.

MR. EDWARDS moved that the letter be referred to the Education Committee, and MR. CONNOR seconded.

THE PRESIDENT said the Education Committee could ask the principals of the Ulster Chemists' Association to have a joint meeting and draw up recommendations.

MR. EDWARDS's resolution was eventually passed, power being given to the Committee to confer with the trade.

### EDUCATION COMMITTEE

THE SECRETARY submitted a report of the Education Committee, in which it was agreed that the Certificate of Apprenticeship to a Pharmaceutical Chemist be granted to the following candidates:

Mary Winifred McMahon, 2 Newcastle Road, Castlewellan. (Junior Certificate, Intermediate Board of Ireland.)

Gerald Patrick McCann, Liffey, Trillick, co. Tyrone. (Junior Certificate, Ministry of Education, N.I.)

Joseph Deighan, 89 Whiterock Road, Belfast;

Michael John Ambrose O'Donnell, 37 William Street, Londonderry. (Senior Certificate, Ministry of Education, N.I.)

The Committee reported that Mr. Walter Tate dissented from the recommendation to appoint examiners for the year 1936 (C. & D., February 29, p. 242).

MR. GIBSON moved the adoption of the report, and MR. EDWARDS seconded.

MR. TATE said that his dissent was on the question of principle. He objected to any member of the Council holding a position as examiner.

THE PRESIDENT said it was not a matter of illegality. If the member involved were an ordinary elected member he would be opposed to his acting as an examiner. He was not an elected member. He was a nominated member from Queen's University and was an exceptionally good man for the job.

MR. EDWARDS said Professor Small had been a great help to the Society and a link with Queen's University.

The report was adopted, three members (Messrs. Tate, Abernethy and McDowell) not voting.

### MEMBERS ELECTED

The following nominated candidates were elected members of the Society: James Coulter, Freemanstown, Parkgate, Templepatrick. William J. Moore, Bellury, Garvagh, co. Derry. William A. Boyd, 121 Wellesley Avenue, Belfast.



# Planning D. and P. Workrooms

In a developing and printing establishment every care should be taken to lay out the rooms to promote speedy service

ANY developing and printing plant can only give its speediest output when it is carefully distributed over the available space. Fig. 1 shows an arrangement which may be copied by the many and closely followed by the few. It indicates the need of four rooms—or one very large one could be so divided. It will be noted that the principal working operations follow each other in order of routine, thus saving time and labour, for there is no travelling to and fro

rooms. This, too, must be frequently emptied. All of these points, and others (of which there are a great many, relating to workrooms, safety precautions and the rules regulating employment of staff), are formed to protect everyone concerned and are well worth adopting even if they were not enforced.

## Constructional Details

A lot of walking about can be saved by installing hatches where indicated, the purpose being to allow of work being passed from one room to another with the greatest ease. One is shown in the darkroom, for passing work through from the retail shop where it is received. A hatch is provided also for passing finished wallets from the printing and enlarging departments out to the sorting and packing room. Fig 2A shows a good method of constructing a hatch. A point to remember is that the hatch should be so fitted that it can be securely locked from the darkroom side, so that there shall be no accidents. A simple method of achieving this is to fit a small catch such as that shown at the foot of the sliding trap-door. A small handle is also fitted to enable the trap-door to be raised easily. This door must, of course, be made quite light-tight; this can be secured by fitting a kind of framework with a rebate, in which the door slides, the broken line showing the direction. If necessary a narrow strip of felt can be fitted to the edges of the door to prevent any extraneous light creeping through. A small shelf is a useful addition to the hatch so that work may be placed upon it. Any benches which have to be fitted for developing dishes are best provided with edges as shown at B in Fig. 2. This prevents any solutions which may be spilled from running over on to the floor. When laying out the trimming, sorting and packing room it is a useful plan to fit plenty of bench room, for a great deal of space is necessary for the various operations connected with the actual finishing of the work. If these benches are fixed around the walls, the centre of the room may be thus left clear for the use of desk trimmers or extra sorting benches, which may be rigged up on

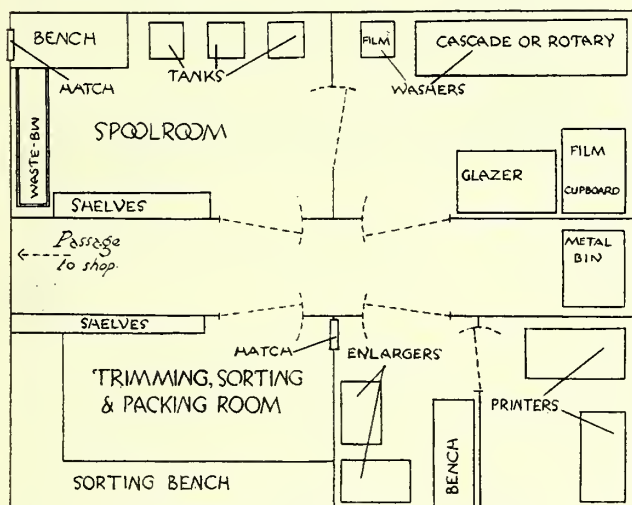


Fig. 1.—Layout of D. and P. department

with one section of work. The spaces to be occupied by the larger pieces of apparatus are shown to give some idea of a workable layout, but, of course, they may be altered to suit individual needs. For instance, the bench and tanks in the darkroom are shown on one side: they could just as well be on the other side of the room if the run-away for the tanks' sink happens to be situated on that side. Thus, simple alterations may be effected without upsetting the systematic running of the workrooms. The "passage to shop" may run in quite a different direction to that shown; but it would be a simple matter (if necessary) to place the various portions of the apparatus in different rooms—to "swing the whole layout round" as it were, and it would make no great difference to the routine so long as the same continuity were preserved and no "running backward and forward" were needed.

## Safety Hints

Not only is it desirable to take various precautions to ensure the safety of workers when fitting the rooms, but the law requires them. As an instance, all doors from rooms must be made to slide or to open outward. If it is not desirable that they should always be used opening outward, one can get over the difficulty by making them swing through. Similarly, the Factory and Workshop Regulations state that a fire bucket must be kept in all workrooms; it is advisable to have a bucket of sand as well, or a fire blanket. There must also be at least two separate and distinct exits from the entire works, and all doors must be kept free from obstruction during working hours. Celluloid ends, print trimmings, film backing paper and other such waste should not, according to the Regulations, be allowed to accumulate on the floors of the workrooms, or even to remain in the workrooms for any considerable period. At the end of each day, at least, all bins must be emptied, and celluloid waste must be kept apart from other waste, and should be placed in a metal bin with a lid outside all the work-

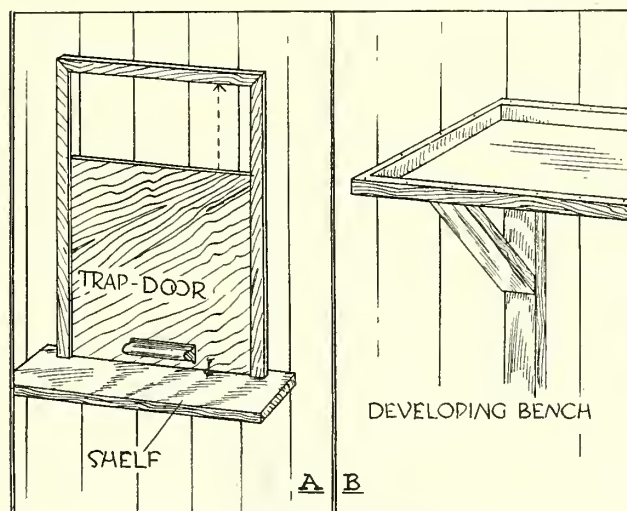


Fig. 2.—Designs for hatches and benches

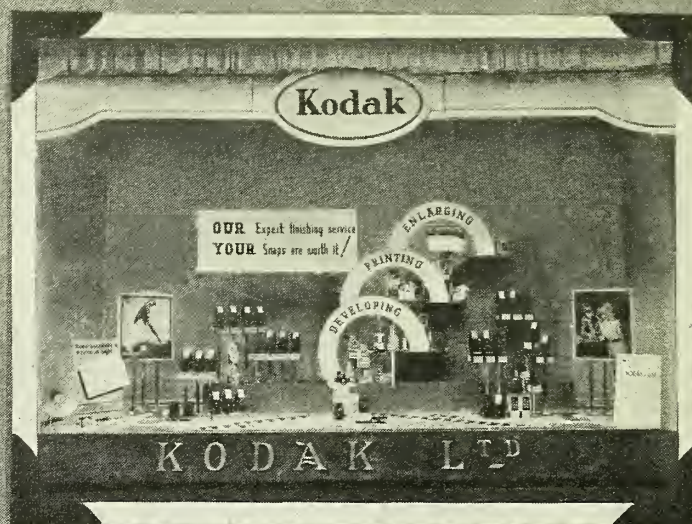
restles. It will be observed that the film-washing tank and the print and enlargement washer are both placed in the same portion of the workrooms so that water and drainage will be easily accessible. Similarly, the film drier and glazer are so situated for heat and power. The printing and enlarging rooms may be separated by a simple partition so that the yellow light of the former will not affect the latter.



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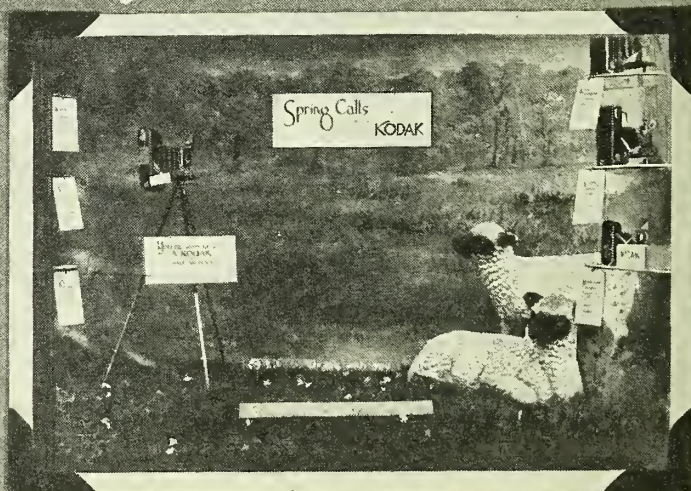
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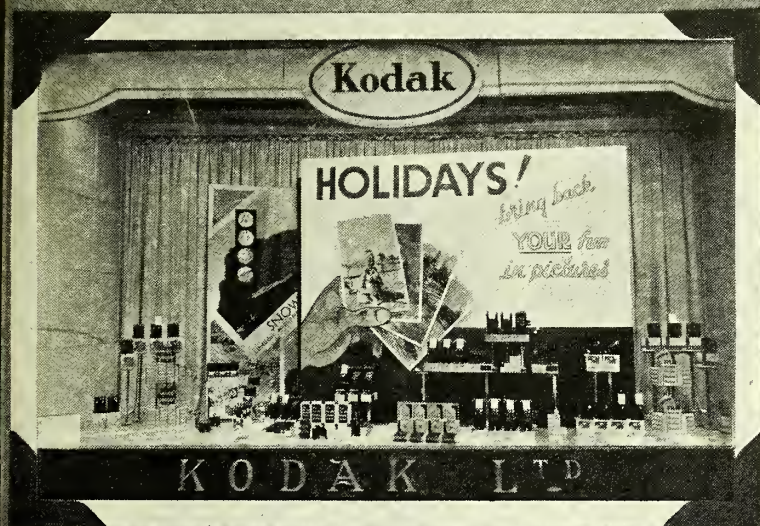
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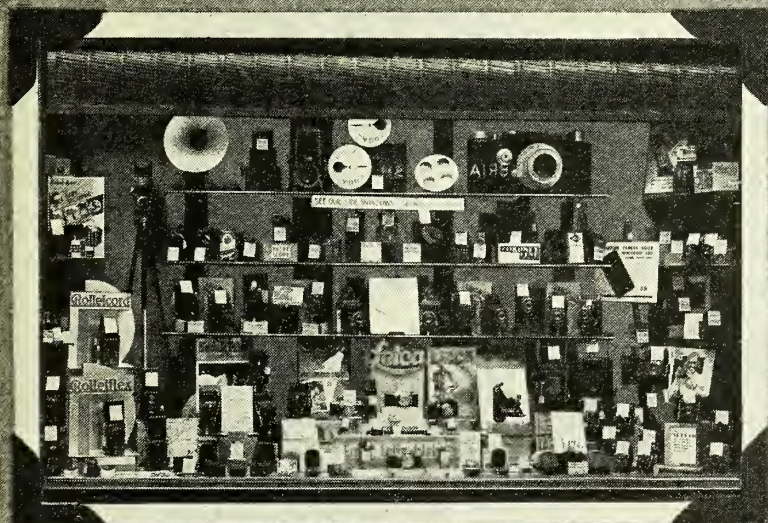
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## Trade Notes

**FACE CLOTH.**—Illustrated is a large-size face cloth issued for men's use only by Spencer Brothers, 39 Shoe Lane, London, E.C.4. The cloth is packed in cellophane as a protection against becoming soiled when used for display or kept in stock. The material is fine quality Turkish towelling.



as specified in Ordinance No. 19 of 1935, which is now in operation.

**TAMARINDS.**—Shipments of new tamarinds are now arriving and inquiries are invited by Bruce, Starke & Co., Ltd., 16 Water Lane, London, E.C.3.

**COMET GASLIGHT PAPER.**—Photographic Film Manufacturers, Ltd., Rickmansworth, Herts, offer to send specimens of Comet gaslight paper. Liberal trade discounts are allowed and special prices for large orders are available. Further details are given in our advertisement pages.

**EASTER EGGS.**—Robert Gibson & Sons, Ltd., Carlton Works, Erskine Street, Hulme, Manchester, are making an Easter offer to chemists of chocolate Easter eggs, filled and unfilled, to sell at a varied range of prices. These eggs are packed in half-dozen and three-dozen boxes respectively according to size. The two largest sizes are sold in unit packages which are decorated. Chemists are invited to apply for further details at once.

**PHOTOGRAPHIC ADVERTISERS IN THIS ISSUE.**—Among the firms advertising photographic service material in this issue are: The Ratax Photo Service, 129 Liverpool Road, Liverpool, 23; Lighting Photo Service, Croft Road, Torquay; Speedy D. & P., Ltd., Shelford Place, London, N.16. Photographic chemicals are advertised by: R. W. Greeff & Co., Ltd., Thames House, Queen Street Place, London, E.C.4, and John Riley & Sons, Ltd., Hapton, near Burnley. Everything in photography for dealers on the approved list is offered by John Thompson, Ltd., 27-35 Duke Street, Liverpool. Kosmos Novex Gaslight paper is prepared at Letchworth, Herts, by Kosmos Photographics, Ltd. N. S. Kay, Ltd., 54 King Street, Manchester, give a striking series of photographs which they supply to prominent advertisers for use in publicity work.

**CALIFORNIAN POPPY PRODUCTS.**—Proprietary Perfumes, Ltd., 35A Southwark Park Road, London, S.E.16, have introduced a new presentation of Californian Poppy powder, the special feature being the hinged lid which enables the small size in



particular to be conveniently carried. Two sizes and four shades are issued. A smaller size of Californian Poppy rouge compact has also been introduced. Attractive show material, which takes the form of stands for the products, is available to purchasers of stated quantities. Full details are obtainable on application.

**SAL HEPATICA.**—Illustrated herewith is an attractive show-stand carrying a specimen bottle of Sal Hepatica. These cards will be sent out with all orders in future, but additional specimens of this sales-aid will be sent on application to J. C. Gambles & Co., Ltd., 211-215 Blackfriars Road, London, S.E.1. The advantage of the stand is that it arrests attention without occupying too much space.



**VOIGTLANDER CAMERAS.**—Schering, Ltd., 188 High Holborn, London, W.C.1, who are the distributors in this country of Voigtlander cameras, have just issued their 1936 catalogue, a copy of which may be obtained on request.

**WESTMINSTER ROLL FILMS.**—Ipa Photographics, 10 Lambeth Palace Road, London, S.E.1, invite inquiries for Westminster roll films. The sensitive emulsion on these films is on a celluloid base, is of fine grain, and has a H. and D. speed of 1,300.

**ADRENALIN CHLORIDE SOLUTION—1:100.**—Parke, Davis & Co., Beak Street, Regent Street, London, W.1, have recently added to their list a high-strength solution of adrenalin chloride for oral inhalation only. This solution is intended for use in the Glaseptic Nebulizer with throat piece and is packed in bottles of 5 c.c. only.

**CONSTANT ENDURA DEVELOPER.**—Johnson & Sons Manufacturing Chemists, Ltd., Hendon, London, N.W.4, have introduced under the name Constant Endura a tank developer which will commend itself to all who undertake processing for amateur photographers. With the developer is supplied five packets of special strengthener, each of which when dissolved in two gallons of water is used to replace the amount of solution absorbed by the films. The strengthener enables the time of development to remain constant throughout the life of the developer and produces negatives of a consistent density. Each gallon of Constant Endura developer will process 320 spools of  $3\frac{1}{2}$  in. x  $2\frac{1}{2}$  in. films. The composition of the strengthener is such that it counteracts the action of the increasing amount of bromide released from the films, and, at the same time, maintains the correct "balance" of the developing solution. A number of the most popular films have been classified into three groups, and the correct times of development of these films, together with adjustments for temperature ranging from 62° to 70° F., are published in the tables enclosed with each tin.

**SUGAR-FREE MILK.**—Barton Laboratories, 10-12 Exhibition Road, South Kensington, London, S.W.7, have introduced a sugar-free milk which is offered for use by diabetics and also for individuals who wish to undergo treatment for slimming. Brochures are issued in each package containing recipes and other useful information.



A NOVEL BATH DEVICE is made by British Emulsifiers, Ltd., Teddington, Middlesex, and is described as the Empire Bathjoy. This consists of an attachment and elongated handle which carries perfumed material intended for softening the water. Five varieties of perfumes are available. This apparatus is intended for insertion in the bath for the desired period of time, and can be used repeatedly. Refills are available. An attractive showcard printed in six colours is obtainable on request.

**STOCKTAKING.**—The offices, warehouses and laboratories of Burgoyne, Burbidges & Co., Ltd., East Ham, London, E.6, will be closed on March 31 for annual stocktaking.



## Marriages

**LITTLER—PENNINGTON.**—At the Congregational Church, Ashton-in-Makerfield, on March 7, Fred Littler, chemist and druggist, to Brenda Pennington.

**SMITH—CLAFF.**—At the Synagogue, Arnside Road, Southport, on March 15, Harry Smith, chemist and druggist, Manchester, to Marjorie Claff.

## Deaths

**BEST.**—Recently, Mr. Herbert Best, general manager of the Methylating Co., Ltd., 2 Pall Mall East, London, S.W.1, aged fifty-two. Mr. Best entered hospital early in January to undergo a severe operation. Following a gallant fight for recovery a relapse occurred, and death resulted from hæmorrhage. Mr. Best joined the Methylating Co., Ltd., on its inception in 1929, and was largely responsible for the extension of its activities since that date.

**CAMERON.**—At 17 Perceval Road, Inverness, on March 14, Mr. John Cameron, chemist and druggist, 4 Greig Street. Mr. Cameron had been in business at Inverness for over forty years, and had a branch in Grant Street. The business will be continued by his three sons.

**CULVERWELL.**—On February 21, Mr. John Sayer Culverwell, chemist and druggist, Croydon, aged eighty-seven.

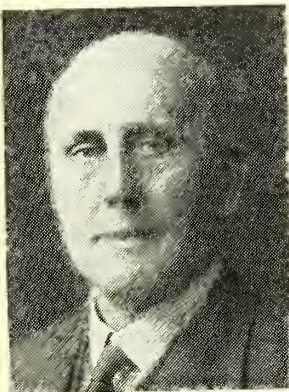
**DAVIES.**—At Worthing, on March 16, Mr. Frank Davies, chemist and druggist, 193 Huddersfield Road, Oldham, aged fifty-three. Mr. Davies was a past-president of the Lancashire and Cheshire Federated Chambers of Trade, and did useful public work in his town and district.

**HEWLINS.**—At Nowhurst, Leatherhead Road, Great Bookham, on March 17, Mr. William Richard Hewlins, chemist and druggist, aged sixty-nine. Mr. Hewlins succeeded his father, the late Mr. Edward Hewlins, Ph.C., in the pharmacy in Bridge Street, Leatherhead. He served on the Urban Council and as a churchwarden.

**MCCUTCHEON.**—At 10 Onslow Drive, Glasgow, E.1, on March 19, Mr. David McCutcheon, chemist and druggist. Mr. McCutcheon qualified in 1894.

**PAINE.**—On February 26, suddenly, Mr. Charles Bowman Paine, chemist and druggist, Newport, Mon., aged fifty-nine. Mr. Paine succeeded to the business established by his father.

**PARKER.**—At Hollin Close, Bolton, Bradford, on March 21, Mr. George Brook Parker, for forty years managing director of Brook, Parker & Co., Ltd., manufacturing chemists, 7, 9 and 11 Ashfield, Horton Road, aged sixty-five. Mr. Parker was born at Bradford, and after being educated at Feverham Street School and Bradford Technical College, was apprenticed to his father, Mr. S. Parker, one of the foundation members of the Pharmaceutical Society. After a short provincial experience he went to London for tuition at the Wills College of Pharmacy, and successfully sat for the Minor at the first opportunity after reaching the age of twenty-one. He then had a few months' experience with Mr. Palmer, of Queen Victoria Street, at the same time studying for the Major examination, but before he could enter for this he had



Photo

MR. G. B. PARKER

[Evans

to return to Bradford to take charge of the business owing to the ill health of his father. At that time the firm's trade was purely local; but Mr. G. B. Parker rapidly increased the area

of their activities until an established connexion in all parts of the British Isles had been built up. In the last few years he had devoted most of his time to the successful extension of their export trade, and only a week or two ago made several journeys to their stand at the British Industries Fair. In his earlier years Mr. Parker was interested in the breeding of bulldogs; he judged at shows in all parts of the country, and had invitations to act in a similar capacity in the United States and Canada. On the formation of the World Federation of Bulldog Clubs he was appointed secretary. During the past few years Mr. Parker had little time for recreation, finding this chiefly in golfing and horticulture. He did not take any active part in political or municipal affairs although pressed to do so. He was one of the founders of the Bradford Chemists' Association, and at the time of his death was the only remaining foundation member. Mr. Parker leaves a widow, three daughters, and two sons, Mr. T. B. Parker and Mr. I. B. Parker, both of whom are associated with the business.

**SPEEDING.**—At Dewsbury, on March 6, Mr. Charles Pearson Speeding, chemist and druggist, 92 Savile Road, formerly of Stockport, aged fifty-seven.

**STANLEY.**—At 38 Parsonage Road, West Bowling, Bradford, on March 15, Mr. Joseph Stanley, aged sixty. Mr. Stanley was the senior representative of Brook, Parker & Co., Ltd., Bradford, with whom he had been associated for nearly forty years.

**WELLER.**—At Vredefort, Orange Free State, South Africa, on March 5, Mr. Cecil Weller, chemist and druggist, aged fifty-five.

## Personalities

**MR. C. J. V. BELLAMY**, Ph.C., Oxford, is president-elect of the local chamber of trade.

**MR. LEONARD WILLIAMSON**, M.P.S., Congleton, has been appointed a justice of the peace for the borough.

**MR. J. W. PHILLIPS**, chemist and druggist, Dewsbury, is president-elect of the local chamber of trade, of which he has been a vice-president for some years.

**MR. FREDERICK MARCH**, chemist and druggist, Torquay, has retired from the chairmanship of the local branch of the League of Nations Union, an office he had held for fourteen years.

## Coming Events

### Tuesday, March 31

*Thames Valley Pharmacists' Association*, Kingston Hotel, Kingston-on-Thames, at 8.30 p.m. Buffet dance. Tickets, 3s. each (including refreshments) from social secretary.

*West Ham and Eastern District Pharmacists' Association and Branch*. Annual meeting.

### Wednesday, April 1

*South-West London Chemists' Association and Branches*, Ardington Rooms, Clapham Junction, S.W.11, at 7.30 p.m. Dance. Tickets, 5s. 6d. each.

*Guild of Public Pharmacists, Manchester Branch*, Victoria Hotel, Manchester, at 8 p.m. Discussion on "The Poison Law and Rules and Their Application in Hospital."

### Thursday, April 2

*Manchester Pharmaceutical Association and Branch*, Victoria Hotel, Manchester. Annual meeting.

*Pharmaceutical Society, Bedfordshire Branch*, George Hotel, Luton, at 7.45 p.m. Mr. H. Gartside, B.Sc., on "Antitoxins and Vaccines" (illustrated by a cine film and lantern slides).

*Pharmaceutical Society, Sheffield and District Branch*, at Barnsley. Mr. H. M. Lloyd on "Education."

*Pharmaceutical Society, Reading and District Branch*, Willison's Hotel, Reading, at 8 p.m. Mr. G. Green (chairman) on "Some Observations on the Branch System of the Pharmaceutical Society."

### Friday, April 3

*South-West London Chemists' Association and Branches*, Balham Club, Ramsden Road, S.W.12, at 8.30 p.m. Addresses by four candidates at the Council election.



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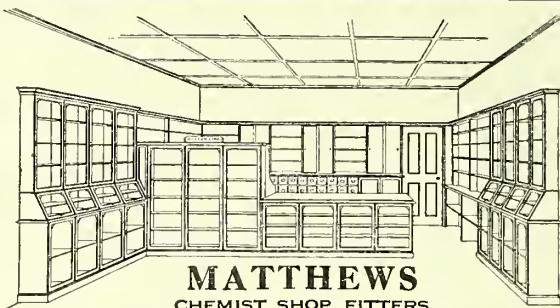
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## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

S/24. Adrenan	H/20. Lutex ampoules
B/24. Azoalcool	B/25. Mother Hubbard shaving cream
H/20. Bovex ampoules	B/19. One-in-Twelve soap
M/25. Corysol spray solution	M/16. Picochrome
B/25. Fitagerm vaporisers	B/24. Soberto (for inebriates)
W/19. Liquid worm cure for dogs (non-starvation treatment)	



# THE CHEMIST AND DRUGGIST

VOL. CXXIV.

March 28, 1936

NO. 2929

## Medicines and Surgical Appliances (Advertisement) Bill

ELSEWHERE in this issue (p. 367) we publish the text of the Medicines and Surgical Appliances (Advertisement) Bill which is to come up for second reading on March 27, the day on which this issue appears. There have been many divergent points of view to meet, and it is satisfactory to note that the main argument of opponents of the Bill, namely, that it was intended to discriminate between qualified registered medical practitioners and unqualified and unregistered practitioners, has been overcome. The Bill as it now stands makes clear that it is directed against the advertising of medicines and surgical appliances and treatment if they are held out to achieve certain results. The Bill is not intended to discriminate against any section of the community or to make any exception in favour of the medical profession. It will be observed that Section 2 deals with the prohibition of publishing invitations to diagnosis or treatment of certain ailments by correspondence. This section of the Bill need cause chemists no qualms, because it is undoubtedly a practice that has been anything but common in the trade. There is, of course, nothing to prevent a practitioner from continuing treatment of a patient by correspondence if he has made contact with him in the first instance. A careful examination of the Bill as it is at this stage reveals that it is satisfactory, and is fair not only in the interests of the community but also to those who have been carrying on a legitimate business. The Bill has been greatly modified since it was first drafted, and it may be assumed that the conflicting interests of the diverse sections of the community have been satisfactorily treated. The Bill is fortunately brief, and, as it now stands, gives little indication of the arguments put forward on both sides for each clause. It will be noted that there are four clauses in all. First, there is a definite prohibition of holding out medicines, etc., in relation to their use in the treatment of certain diseases. Even a cursory examination of the list of diseases mentioned will indicate that there are undoubtedly sound reasons for prohibiting the advertising of any medicaments or appliances if they are held out as being effective for such purposes as are defined in the clause. There are certain exceptions obviously necessary, and these are outlined in Section 2 (1). It is interesting to note that the expression "medicine" means "any kind of medicament or other curative or preventive substance, and includes any substance which purports to be or is represented, directly or by implication, as being a medicine." The effect of this pronouncement on certain food substances will have to be carefully watched in view of the fact that the dividing line between a medicine and a food is not easily defined. No doubt a great deal will depend on the method of labelling adopted for such articles and the type of advertisement used to promote their sales. The Act is to be cited as the Medicines and Surgical Appliances (Advertisement) Act, 1936, and is to come into operation on March 1, 1937. The Act will not extend to Northern Ireland.

## Molehill into Mountain

IN the official organ of the Pharmaceutical Society of last week, a letter appeared from the chief officer of the Society drawing attention to the forthcoming amendments in the Dangerous Drugs (Consolidation) Regulations, 1928. It was pointed out that the proposed amendments "are in the main drafting amendments but there is sufficient alteration of form to make the old regulations an unsatisfactory guide to the new." One of the results of this announcement has been to suggest that the Dangerous Drugs Regulations are to undergo important changes and to add a further perplexity to the many which beset pharmacists. If this is the effect of the official pronouncement, then it would perhaps have been advantageous for the information to have been couched in language which would have caused no doubt in the minds of the readers. We have ascertained that the alterations are in fact of a minor—we might say trivial—nature, and that *there is no amendment of principle concerned*. The amendments refer in the main to redrafting as a result of the repeal of certain sections of the 1868 Pharmacy Act and the coming into force of the 1933 Act in which pharmacists are now described as "authorised sellers." And we notice in the "British Medical Journal" of March 21 that the Regulations are being amended so as to bring the writing and dispensing of test prescriptions within the scope of the Dangerous Drugs Act. This change was announced at a meeting of the Insurance Acts Committee of the British Medical Association, and illustrates the promptitude with which the medical profession is enabled to hear of any impending modifications of departmental practice.

These and other minor changes are unlikely to have any serious effect on the Dangerous Drugs (Consolidation) Regulations, 1928, as they are at present. It appears that the result of these forthcoming changes is again to postpone the issue of what seems to be a Pimpernelian book about which so much has been said since October 1935, though not even a specimen page has been seen. The point to be noted by the members of the Society who are interested in the official explanation of the Act is that they are unlikely to have the benefit of official guidance in the matter much before the Act comes into force on May 1. Fortunately this official delay is not likely to have serious effects upon the trade generally in view of the remarkable demand for THE CHEMIST AND DRUGGIST Poisons Guide, which had its inception in the *C. & D. Diary and Year-Book*, 1936, on December 31, 1935, and has been republished as a separate booklet. Up to now many checks have been made on the accuracy of the long list of substances in the Extended List of Poisons, and it is gratifying to be able to record that the percentage of errors is negligible, and in fact some of them are self-evident. It is humanly impossible to achieve perfection, but we are glad to find that THE CHEMIST AND DRUGGIST Extended List has come so near to it. We should like the several thousand purchasers of the *C. & D. Poisons Guide* to know that the few errors and omissions will be rectified before May 1 in the columns of THE CHEMIST AND DRUGGIST, and errata slips sent gratis to those who apply. Chemists, both retail and wholesale, who have been studying the new conditions under the Pharmacy and Poisons Act in the *C. & D. Poisons Guide* can rest assured that the early acquaintance, which the *C. & D.* was privileged to make possible, with the requirements of this intricate Act is unlikely to be prejudiced by the drafting amendments in the Regulations to which reference has been made.



## This Photographic Season

THE coming of Spring is welcomed by all sorts and conditions of people who look forward to taking up the threads of a pursuit which has either been laid aside during the winter months or has been followed more leisurely. This is particularly true of amateur photographers. The winter months, as we pointed out last autumn, bring their own opportunities to photographers for specialised work, but it is in the opening months of the year that the newcomers to the photographic world make their appearance. This is all to the good, for obviously opportunities for successful picture work are greater and the elements of the subject are more easily acquired. In this issue, therefore, we have drawn special attention to photographic opportunities from the dealer's point of view, and have endeavoured to present in one number some of the possibilities which offer themselves at the opening of this season. The initiation of the tiro into the rudiments of photography is more or less a seasonal business and is one upon which it is unnecessary to dwell in view of the fact that the chemist in business to-day is already *au fait* with the subject in all its branches. We have therefore endeavoured to direct the attention of retailers to new aspects of photography which bring still greater delight to the enthusiast and at the same time weld

the association between supplier and consumer. Of recent years cinematography has come within the reach of the average photographer, and this is a development of the pursuit which photographic chemists may well push. Some indications of the progress made are given elsewhere. The sale of accessories may be considered a subsidiary branch, but it can be made a highly profitable one, as will be seen from the article on page 584. While on the subject of selling, a continuation of the series of "Pharmaceutical Salesmen," started last year in these columns, is given under the heading "Selling Photography." Developing and printing grows in importance, and some useful hints on how a D. and P. department should be laid out and speeded up are described. Chemicals used in this department are discussed at length. As a means of guiding and encouraging photographic chemists to utilise display, we publish a series of photographic windows and displays by important dealers. We have adopted a novel lay-out for these windows, which we suggest shows them off to good advantage in an appropriate setting. Finally, attention may be directed to the works of a British maker of films. The object of this special number is not only to be of assistance to the photographic chemist who has already established himself in this special branch, but also to encourage others who have the necessary space to open what is a profitable department.

## Newer Aspects of Plant Physiology

THE fifth Edinburgh evening meeting of the Pharmaceutical Society's present session was held at 36 York Place on March 20, Mr. F. W. M. Bennett (chairman of Executive, North British Branch) presiding. Mr. Bennett briefly introduced Dr. Alexander Nelson, F.R.S.E., University Lecturer on Plant Physiology and Agriculture at the Royal Botanic Garden, who delivered an address on:—

### Some Newer Aspects of Plant Physiology

#### [ABSTRACT]

DR. NELSON said that plant physiology had emerged from being a descriptive science to an experimental science, and was in an extremely active state. New results from all over the world were coming to hand daily. He selected for special attention from the wide range of subject-matter certain problems connected with the water relationships of plants. The subject of diffusion and its bearing on osmosis and permeability was discussed and illustrated by a series of demonstrations, commencing with the movements of ions, such as the hydrogen ion, and proceeding upwards in the scale of particle size to illustrations of the effect of colloids. This series was followed by further demonstrations of permeability and the influence of different membranes. Passing to the question of osmosis and permeability in the plant cell, the various forces resident in the turgescient cell were outlined and their relative importance emphasised. It was shown that in ecology measurement of total osmotic pressure in plant cells was no longer regarded as of so much importance as measurement of suction pressure—the net force bringing water into the plant. The various structural and physiological adjustments and modifications of plants in response to differing climatic conditions, both in the life of the individual plant and in an evolutionary sense during the history of the species, were discussed. Particular reference was made to the significance of the modification of the length of the diffusional path from the vasa to the most distant cell of the shoot (leaf lamina) as affecting the morphology and histology of the shoot members. It was pointed out that the tendency to shorten this path lay behind the evolution of the pinnacoid and ericoid leaf, the phyllode and the cladode, as well as the densing of the venation in otherwise mesophytic plants.

Reference was also made to the compromise between the requirements of photo-synthesis and transpiration as an aspect of

the morphological and physiological evolution of plants for successful life in areas of difficult water conditions. Arising out of the conflicting demands of those two functions a number of quite distinct plants had developed.

### Discussion and Vote of Thanks

MR. STEVEN asked Dr. Nelson to explain root pressure and transpiration, and how it came about that the water ascended in the plant to a great height.

MR. CURRIE said a few years ago he came across an example of guttation in a dahlia plant.

DR. NELSON said, on the question of the ascent of water to a high level, the explanation was that the intake by osmosis acted as a force pump while transpiration acted as a suction pump, and the suction pump took the product from the force pump. The explanation of guttation was that transpiration was cut down by a very high saturation of water vapour in the atmosphere, and the water continued to come up by means of the force pump from below. Under these conditions the water channels or mains in the leaf were apt to burst because the suction pump was not taking the water away and the water exuded. This explained the phenomenon of dew.

DR. MILNE, in moving a vote of thanks, said he could claim no special knowledge of botany, but he thought it rather a compliment to Dr. Nelson that he (Dr. Milne) had been able to follow and understand the extremely interesting lecture. Only those who had experience of preparing lectures with practical demonstrations could realise what labour was involved.

MR. WILSON, in seconding, said one feature of the lecture was that they were brought home to a study of life processes. He himself, in the study of botany, began at the wrong end. They made the mistake of studying the subject without actually examining the living plants. That made it the driest possible subject. But when they studied the actual processes of the living plant it became a fascinating study. Dr. Nelson had made the subject live before them.

THE CHAIRMAN, in conveying the vote of thanks to Dr. Nelson, said the three things that struck him in connection with the lecture were how happy it was, how interesting it was, and how informative. They should acknowledge the great kindness of Professor Sir William Wright Smith in placing at their disposal the collection of illustrative plants and also the help of Mr. Cooper, the Curator of the Botanic Garden.



# Amateur Cine Business

Cinematography is becoming an increasingly popular hobby and it presents business possibilities for photographic chemists

## I—Cameras and Films

SINCE the advent of sub-standard cameras and film in 1923 the cost of amateur cinematography has decreased to such an extent that to-day it is a serious rival of still photography. Undoubtedly the cine is destined to occupy a more and more important place in the amateur photographic world, so that few dealers can afford to overlook what can be one of the most profitable branches of their business. Standard film as used in the public cinemas is 35 m.m. wide and notched

30 ft. of film and has a built-in exposure chart. The standard lens is  $f$  2.5. The price is £19 15s.

Cameras, Ltd., are the manufacturers of the Dekko apparatus, which can be used for taking pictures at speeds between eight and sixty-four per second, as well as for taking single pictures. It is fitted with a  $f$  3.5 lens in an interchangeable mount. The selling price is £6 6s.

Coronet Camera Co. have placed on the market an attractive looking camera for 9.5 m.m. film. It is fitted with a  $f$  3.9 lens and sells at £3 15s.

Ensign, Ltd., offer a number of cine cameras all of which are for 16 m.m. film. The prices range from £13 13s. to £63.

Home Cine Cameras, Ltd., market two cameras, one of which, the Campro, is a combined camera and projector with a lens system which enables  $f$  3.5 for photography and  $f$  1.9 for projection. The price of this apparatus is £3 17s. 6d. The other model, known as the H.C.C. cine camera, is a motor-driven instrument with a  $f$  3.5 lens. This sells at £4 4s. Both cameras take 9.5 m.m. film.

Kodak, Ltd., the pioneers of the 16 m.m. and the 8 m.m. sizes, offer in the former the cine-Kodak B.B. Junior with a  $f$  3.5 fixed focus lens at £13 13s., and the cine-Kodak K, a de luxe model with a  $f$  1.9 lens at £35. In the 8 m.m. size there is available the Eight-20, which with a  $f$  3.5 lens sells at £9 17s. 6d. and the Eight-60 at £25.

Müller Cine Co. are offering a British-made camera with a Dallmeyer  $f$  3.5 lens at £6 18s. 6d. The apparatus is designed for 9.5 m.m. film and can be operated at speeds between eight and thirty-two pictures per second.

Pathescope, Ltd., had for many years the 9.5 m.m. cinematography almost entirely to themselves. At the present time they supply two models of their cameras, the one selling at £6 6s. and the other, known as the de luxe, at £10 10s. Both cameras are fitted with  $f$  3.5 lenses as standard, the view-finders are built in.

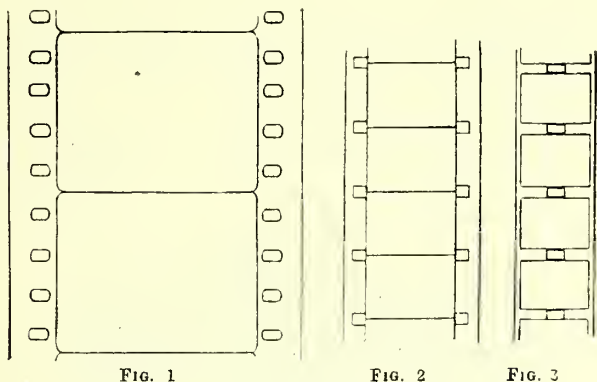


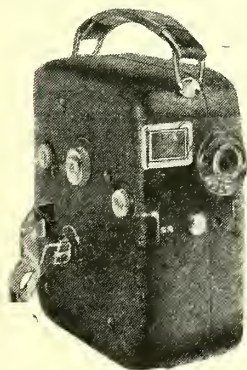
FIG. 1

FIG. 2

FIG. 3

Diagrams of Cinematograph Film

as in the diagram above (Fig. 1). The photographs, or "shots," are taken on negative stock from which any number of positives can be made. The first great step towards amateur cine was the introduction of 18 m.m. film (Fig. 2), which was reversible. This had the disadvantage that only one film was available (unless a negative were made from it), but it cut the cost in two ways. Then came the 9.5 m.m. (Fig. 3) and later the 8 m.m. In the case of the last-mentioned, 16 m.m. film is used, one half (longitudinally) exposed, then the other half; after processing the film is slit and the ends joined in sequence. The idea that cine, as the sub-standard size is generally called, is much more expensive than still or ordinary photography is undoubtedly why it has not achieved even greater popularity than it has done. This is an erroneous idea which dealers should make every effort to dispel; for instance an excellent camera can be purchased for less than £4, a projector for less than £2, and a screen, say, £1. The total outlay is thus less than the sum thousands of persons are paying for an ordinary camera to-day, and hire-purchase is a ready means of overcoming price difficulties. Actually the cost of the outfit is in a large measure governed by the size of the film used.



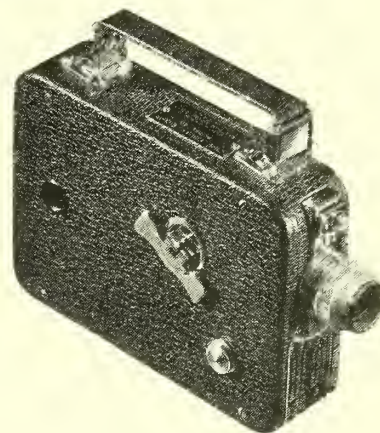
Pathescope Motocamera  
Model B

### Some Popular Models

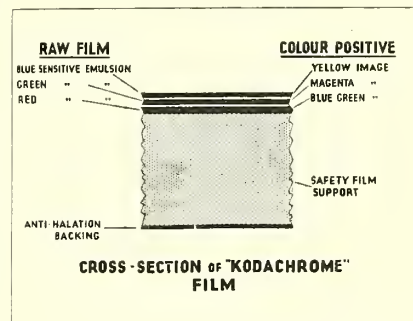
Below are given some details of the more popular cameras on the market at the present time.

Agfa Photo, Ltd., supply two models known respectively as Movex 12 and Movex 30 B. The former costs £10 10s. and the latter £22 10s. Both cameras take 16 m.m. film.

Bell & Howell Co., Ltd., claim to have produced the smallest cine camera in the world in their Filmo Straight 8. It holds



Cine-Kodak Eight



CROSS-SECTION of "KODACHROME"  
FILM

### The Choice of Film

The would-be purchaser of a motion-picture camera is sometimes bewildered by the choice of apparatus, and is often inclined to pay more attention to initial cost than to that of



subsequent operating. Choice is narrowed when once the size of film to be used is settled. It should not be concluded that the size of picture is in the ratio of 9 to 16, since owing to the different arrangements of the perforations or "sprockets" (as shown in the diagrams) by means of which the film is propelled through the "gate" of the camera or projector there is comparatively little difference. The initial outlay is, however, to some extent governed by the size of film chosen.

As was mentioned above, there are three kinds of sub-standard film-negative, positive and reversal, all of the non-flam variety. The most popular makes of film in this country are Kodak (16 m.m.), Selo (16 m.m. and 9.5 m.m.), Agfa (16 m.m.), Gevaert (16 m.m. and 9.5 m.m.). The prices in some cases include processing and in others they do not, whether the material is orthochromatic or panchromatic. There

are three colour films available—Dufaycolor (Ilford, Ltd.), Agfacolor (Agfa Photo, Ltd.), and Kodachrome (Kodak, Ltd.). The last-mentioned has only just been placed on the market and is supplied in 50 ft. and 100 ft. rolls. Few amateurs undertake the processing of their own film, the usual procedure being to return it to the maker for this purpose either direct or through a dealer, and with few exceptions better results are obtained when the film is processed by the manufacturers, who can in the course of operations exercise some control in intensifying and reduction. Comparatively few amateurs are purchasers of negative and positive film, the demand is for the reversal type. Even then it is not suggested that all makes of film should be taken into stock when first catering for this business—one variety of 9.5 and one of 16 m.m. is sufficient, others can be added as occasion demands.

## Express Processing for Films

**R**APID processing methods, such as are required particularly for Press photography, are the subject of a monograph by H. Parker and J. I. Crabtree (Kodak Research Laboratories Communication No. 577). The writers recommend a rapid hardening two-bath developer as being adapted to a reduction in the time required at each step in the processing by virtue of the following properties:—

1. Such developer can be used at temperatures from 65° to 85° F., thus saving time required in cooling.
2. It develops and hardens the film in two minutes.
3. Its use is not adversely affected by small errors in timing.
4. The solutions, being stable and not specially subject to aerial oxidation, can be made up and kept as stock solutions.

The developer is best followed by a fixing bath made up as follows:—

(a) Water at about 125° F.	...	...	20 oz.
Sodium thiosulphate	...	...	8 oz.
Sodium sulphite, exsiccated	...	...	$\frac{1}{2}$ oz.
Acetic acid, 28 per cent.	...	...	$1\frac{1}{2}$ fluid oz.
Boric acid, crystals	...	...	$\frac{1}{4}$ oz.
Potassium alum	...	...	$\frac{1}{2}$ oz.
Cold water to make	...	...	32 oz.

If desired, an ultra rapid fixing bath may be used, similar to the following but modified by the addition of 2½ per cent. of ammonium chloride:—

(b) Water at about 125° F.	...	...	16 oz.
Sodium thiosulphate	...	...	8 oz.
Sodium sulphite, exsiccated	...	...	145 gr.
Sodium bisulphite	...	...	365 gr.
Water to make	...	...	32 oz.

For processing normally exposed negatives at room temperatures from 65° to 80° F., the following developer is used at full strength, the negative rinsed for a few seconds in the acid stop-bath and fixed in the chrome alum hardening bath prepared to the formulas given:—

### DEVELOPER

(c) Water at about 125° F.	...	...	16 oz.
Elon	...	...	45 gr.
Sodium sulphite, exsiccated	...	...	$1\frac{1}{2}$ oz.
Hydroquinone	...	...	175 gr.
Sodium carbonate, exsiccated	...	...	$2\frac{1}{4}$ oz.
Potassium bromide	...	...	27 gr.
Water to make	...	...	32 oz.

### STOP BATH

(d) Water	...	...	32 oz.
Acetic acid, 28 per cent.	...	...	$1\frac{1}{2}$ fluid oz.

### HARDENING FIXING BATH

(e) <i>Solution A</i>			
Sodium thiosulphate	...	...	2 lb.
Sodium sulphite, exsiccated	...	...	1 oz. 290 gr.
Water to make	...	...	96 oz.

### *Solution B*

Water	...	...	20 oz.
Sodium sulphite, exsiccated	...	...	290 gr.
Sulphuric acid, 5 per cent.	...	...	5 fluid oz.
Potassium chrome alum	...	...	$4\frac{1}{2}$ oz.
Water to make	...	...	32 oz.

Dissolve constituents and cool to 70° F. Add solution B slowly to solution A while stirring thoroughly.

For rapid development at temperatures up to 90° F. the following formula is useful:—

### *Stock Solution A*

(f) Water at about 125° F.	...	...	16 oz.
Sodium bisulphite	...	...	$\frac{3}{4}$ oz.
Hydroquinone	...	...	$\frac{1}{2}$ oz.
Potassium bromide	...	...	$\frac{1}{4}$ oz.
Cold water to make	...	...	32 oz.

### *Stock Solution B*

Cold water	...	...	32 oz.
Sodium hydroxide	...	...	$1\frac{1}{2}$ oz.

For use up to 90° F., mix equal parts of A and B, and add 10 c.c. of formalin (40 per cent.) and 10 c.c. of phenosafranine solution (1:1000) per litre of mixed developer (2½ drams per 32 ounces).

Development is followed by rinsing in water or in an acid stop-bath and fixing in the bath (a). For maximum emulsion speed (maximum shadow detail), regardless of contrast, development for about eight minutes at 65° F. in the following solution is recommended:—

(g) Elon	...	...	200 gr.
Sodium sulphite, exsiccated	...	...	$1\frac{1}{2}$ oz.
Hydroquinone	...	...	200 gr.
Sodium hydroxide	...	...	125 gr.
Potassium bromide	...	...	125 gr.
Wood alcohol	...	...	$1\frac{1}{2}$ oz.
Water to...	...	...	32 oz.

For maximum emulsion speed obtainable in a short time, add 10-gm. more sodium hydroxide per litre to the above formula and develop at 65° F. for the time available, up to three minutes. If the available time is less than thirty seconds, add ammonia to this developer.

If maximum high-light density is required regardless of time of development or shadow detail, solution (f), (g) with extra sodium hydroxide, or the formula given below may be employed at a temperature of 65° F., the time of development varying with the developer used, the emulsion speed, and other factors.

(h) Sodium sulphite, exsiccated	...	...	2 oz.
Hydroquinone	...	...	1 oz.
Sodium hydroxide	...	...	365 gr.
Potassium bromide	...	...	292 gr.
Water to	...	...	32 oz.

Provided maximum shadow detail is not required, for maximum gamma in a minimum time, solution (f) at 65° F. may be used.

The time required for drying may be saved by printing from the wet negative supported in a special holder or held in a thin liquid cell containing water or fixing bath.

When many prints must be made, the negative should be protected against overheating by means of forced ventilation of the printing lamp-house and by the use of a water cell or heat-absorbing glass in front of the lamp.



# The Pharmaceutical Salesman (V).

## Selling Photography

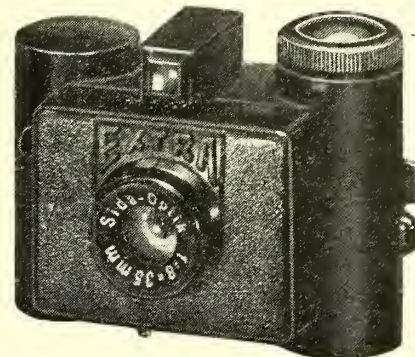
(Continued from THE CHEMIST AND DRUGGIST, November 23, p. 620)

SINCE the exit of the coupon camera, manufacturers have consistently urged dealers to sell more cameras, and this is indeed the gateway to a successful photographic business, but there are other matters to bear in mind when selling the said apparatus. It is generally found the higher the price that is paid for the camera the more film it will use during its lifetime; that folding cameras are responsible for the use of much more film than the box form; that new cameras use much more film than old ones. It should also be borne in mind that with the effluxion of time remarkable changes have taken place in the sizes of cameras which have been popular—the trend has always been towards smaller and smaller apparatus, due partly to lower costs in operating, improvements in lenses and fine grain material. To-day there are miniature cameras at prices as low as 5s., but there is far from being a slump in the sales of those costing twice as many pounds, and it is noteworthy that the spending power of the community is higher now than it has been for several years. It is a wise photographic dealer who, having sold a camera, makes an effort to teach his customer how to take successful pictures, as an enthusiastic amateur photographer will spend a considerable sum in the course of a year on accessories, film and prints, even if he does not indulge in what is generally

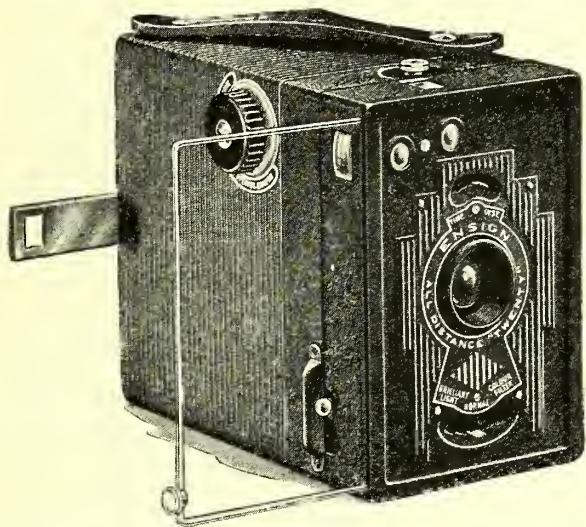
competitions than ever organised by the lay Press. Even the largest prize may be won by the cheapest of cameras, but a better camera should give a better chance. During the past two years considerable advances have been made towards bringing colour photography within reach of the average amateur—not so much in the way of reduced cost as in the ease and certainty of good results. Emulsions have been speeded up and improved to

such an extent that only in exceptional circumstances is a colour filter necessary, so that colour snapshot photography is now feasible. For those with roll-film cameras Dufaycolour is of course available. The process gives transparencies, but amateur colour photography direct on paper seems as remote as ever. Nevertheless, this is a branch of photography which should not be neglected; it appeals, and if the chemist can talk photography he should be able to interest the more affluent of his photographic customers. In the cine world the remarkable Kodachrome process has now been placed on the market in this country, and as this makes the production of colour movies as easy as taking ordinary snapshots it provides another avenue for profitable business.

There are two schools of thought in the drug trade regarding window displays—one advocates the solus display, the other believes in showing as many articles as possible. The same opinions are held in the photographic trade, and obviously a good case can be made out for either. At the same time, it is worth noting that in most businesses where photography provides a large if not the major source of income, the window is always well filled with apparatus and everything has its selling price marked. The intention is undoubtedly to interest the many and not the few.

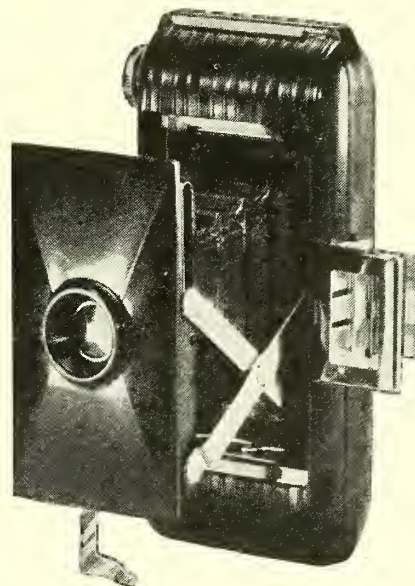


A new inexpensive miniature camera. It has a fixed focus f8 lens and a telescopic viewfinder. The body is made of moulded material. It uses roll film giving ten exposures, each negative being just under one inch square, from which excellent enlargements or big prints can be made.



The above illustration shows the new Ensign All-distance Twenty with a built-in colour filter. It takes pictures  $2\frac{1}{2}$  in. by  $3\frac{1}{2}$  in.

described as "home photography." Obviously explanations made with an air of boredom are scarcely likely to induce a person to spend. One of the chief arguments as to inability to sell expensive photographic apparatus is that customers cannot afford to buy it. In this connexion, however, it should be remembered that hire-purchase plays an important part in the manner in which a large proportion of the population acquire something they think they cannot afford, and business in radio sets is probably the classic example for the photographic trade to bear in mind. Hire-purchase has been successfully applied to the sales of photographic apparatus, and there is no reason why its popularity should not be further extended by dealers, particularly since it involves them in so little risk. There is still a further argument in favour of the bigger sales scheme. Football pools have induced the public to part with thousands of pounds in a weekly gamble. Though the prizes from photographic competitions may not be so large, the entries for each event show the amazing extent to which the bulk of the population fall for the lure of easy money. This year there will be more



The Jiffy, a vest pocket camera offered by Kodak, Ltd., has an attractive specification: Front opens at touch of the button; direct-vision viewfinder, requires no focusing, light body of moulded material. Takes pictures  $2\frac{1}{2}$  in.  $\times$   $1\frac{1}{8}$  in.



# The Chemical Side of the D. and P. Department

AT this time of the year, when the developing and printing department of the photographic business is under consideration, some thought is necessary regarding chemicals and chemical preparations, and it should be ascertained whether there is any new departure available for facilitating and speeding the work. Obviously no great alterations can be expected in chemicals, but there is a need from time to time of revising formulas to meet any new conditions.

## Developers

There are still some dealers who, for special reasons of their own, prefer to make their solutions by first weighing the required quantity of each chemical and dissolving it, thinking that by so doing they are safeguarding and ensuring good work. Some only do this at the commencement of the season or to tide them over the Easter and Whitsun holidays, but generally speaking a busy department cannot afford the time for these initial preparations and regularly uses the special tank developers made by well-known manufacturers. For those who do prefer to make their own the following may be tried:—

### I FORMULA D. 75

<i>Solution I</i>				
Water (125° F.)	...	...	...	1 gall.
Elon (metol)	...	...	...	1½ oz.
<i>Solution II</i>				
Water (125° F.)	...	...	...	1 gall.
Sodium sulphite (crystals)	...	...	...	1 lb.
Sodium bisulphite	...	...	...	15 oz.
<i>Solution III</i>				
Water (160° F.)	...	...	...	1 gall.
Sodium sulphite (crystals)	...	...	...	14 oz.
Hydroquinone	...	...	...	5 oz.
Pyro	...	...	...	1½ oz.
<i>Solution IV</i>				
Water (125° F.)	...	...	...	1 gall.
Sodium carbonate (crystals)	...	...	...	5 lb.

Make up to 10 gallons with cold water.

### FORMULA D. 75A (Strengtheners)

	1 gall.	2 gall.	4 gall.
Water (125° F.)	½ gall.	1 gall.	2 gall.
Elon (metol)	275 gr.	1½ oz.	2½ oz.
Sodium sulphite (crystals)	7½ oz.	15 oz.	1 lb. 14 oz.
Sodium bisulphite	3½ oz.	7½ oz.	15 oz.
Hydroquinone	1½ oz.	2½ oz.	5 oz.
Sodium carbonate (crystals)	1 lb. 11 oz.	3 lb. 6 oz.	6½ lb.
Water to make	1 gall.	2 gall.	4 gall.

This stock strengthening solution should be used 1 part to 1 part water for topping up.

To obtain the full "quality" and "life" from D. 75 the developer must be mixed as follows:—Four solutions should be prepared as indicated. Use enamel or earthenware containers for the preparation of the solutions. If galvanised buckets or containers are used in any way, chemical fog and veiling of the films will result. Pour 2 gallons of water in the perfectly clean tank. Make solution No. 1, and add to water in tank. Stir well. Make solution No. 2 and add to tank. Stir well. Continue in the same way with solution No. 3 and then No. 4. Finally, fill up to 10 gallons and stir well. Leave for one hour before use. Ideal temperature 68° F. Starting time of development 10 minutes. The temperature should be kept at 68°. Do not use below 65° or above 70°. Allow one minute variation in time for each degree above or below 68°, i.e., 8 minutes at 70°, 13 minutes at 65°. Local conditions may call for adjustment of standard times. Check negative quality constantly and adjust time as required. Maintain level of developer with D. 75A (strengtheners). D. 75 made properly and

"topped up" with D. 75A should produce (in a 40-gallon tank) quality negatives on 480-500 spools a day for 10 to 14 days. The quality and type of D. 75 depends, of course, upon "spools developed" and "time in use" plus quality of chemicals used and care in making. Having thoroughly cleaned the earthenware or glass container, pour into it the necessary quantity of clean, warm water (125° F.). Add the metol to the water and dissolve. Continue with the other chemicals in the order named, making sure that each chemical is dissolved before adding the next. Finally, add water to make up quantity and stir well.

An alternative formula is as follows:—

II			
Metol	...	...	56 gr.
Sodium sulphite	...	...	2½ oz.
Hydroquinone	...	...	½ oz.
Sodium carbonate	...	...	3½ oz.
Potassium bromide	...	...	48 gr.
Water	...	...	120 oz.

This can be used in tanks for some months, with an occasional addition of fresh solution, provided a floating top is kept on the tank when not in use.

Another formula is:—

III			
Metol	...	...	6 oz. (2 oz.).
Sodium sulphite cryst.	...	...	10 lb. (4 lb.).
Hydroquinone	...	...	8 oz. (2½ oz.).
Sodium carbonate cryst.	...	...	8 lb. (3 lb.).
Potassium bromide	...	...	3 oz.
Water	...	...	to 20 gall. (3 gall.)

Dissolve in the above order. Never use boiling water. The amounts in parentheses are for making the strengthening bath.

Having made up a new bath, put through 100 to 150 films, after which the developer is standard. The time of development is ten minutes. The developer is preserved by constant additions of the strengthener and should be worked at 65° to 69° F.

It is never wise to leave the weighing of chemicals to a boy or junior, but that same individual can quite safely be entrusted with the opening of a tin which contains all the chemicals accurately weighed and just waiting to be tipped into the tank, whether the tank be 5, 10, 20 or 40 gallons capacity. It has been questioned whether "ready-made" tank developers are economical, but the prices are perhaps the most astonishing thing about them, as a regular or standard developer for 5 gallons costs 2s. to 4s., according to quality, while prices for the larger quantities show even lower rates per gallon. At the commencement or the end of the season, when the supply of spools is irregular, and when one hesitates to make a full-sized bath, a developer should be employed which retains its powers for a lengthy period without showing any signs of oxidation.

It is one of the special features of these ready compounded developers that they have a very long life; there are some which do not discolour, oxidise or deteriorate through keeping and only become exhausted through actual use; one such has only recently been placed on the market under the name of Constant Endura; this will process up to 320 spools to the gallon and the last film will have the same density and gradation as the first. These tank developers are a great boon to not only the D. and P. departments with large output, but also to those of the small chemist, and to meet the requirements of all they are made for tanks ranging from 5 to 40 gallons, or, reckoning on output in "filmage," from 1,600 to 12,800 3½ x 2½ films.

Temperature is an important factor in the D. and P. department. The developer should always be kept uniform (as near as possible at 65° F.), and the best way of doing this is by having the department heated in such a regular manner to prevent any undue rise or fall. It may seem a trifling detail, but temperature does greatly affect the action of chemical solutions, and uniformity in the developer will give uniformity in density in negatives, which, in turn, will facilitate the work of the printing department.



There is certain to be an increase in the number of spools of miniature films exposed this season, and as these require handling in a different manner to the ordinary film (enlargements are necessary), it is as well to use a special fine grain developer for them. There has been a lot of talk about the question of "graininess" in the film and enlargements, and there is possibly still more experimental work to be done. There are some excellent developers on the market; but for dealers who would care to experiment with these the following formulas are given:—

<i>Seyewetz</i>				
Hydroquinone	...	...	...	1.5
Paraphenylenediamine	...	...	...	5.0
Génol	...	...	...	10.0
Sodium sulphite anhyd.	...	...	...	60.0
Sodium phosphate tribasic	...	...	...	5.0
Potassium bromide	...	...	...	1.0
Water	...	...	...	to 1000.0

Time of development: Fifteen minutes at 18° C.

<i>Sease Formula No. 3</i>				
Paraphenylenediamine	...	...	...	10 gm.
Glycin	...	...	...	6 gm.
Sodium sulphite anhyd.	...	...	...	90 gm.
Distilled water	...	...	...	1000 c.c.

The sulphite should be dissolved first, then the glycin and finally the paraphenylenediamine in water at a temperature of 60° C. The time of development is about 12 minutes. This developer should not be used for brown-backed films.

For the printing department an excellent developer either of a metol-quinol or amidol type is suitable and can be made on the premises or purchased already compounded.

### Acid Fixing

Sometimes the question has been asked "Is an acid bath necessary?" It is not really necessary, but it is most certainly useful and it may be the means of saving time, especially for some gaslight papers, since it does help to prevent stains and it does appear to clean and clear the image. If the acid fixing is not used, then without question the stop bath should be adopted. This stop bath means another intermediate process, but it is really worth the extra time, for by its action in killing the developer it absolutely removes all the risk of brown staining. The amount required to make 2 gallons of solution, and this quantity lasts a long time, will probably save its cost three or four times over in preventing stained prints which have to be replaced.

### Intensifiers

Sometimes it happens that a film, owing to errors in developing, can be considerably improved by passing it through an intensifier bath. If the negative is thin through under-exposure, the best intensifier is uranium.

If the plate is simply under-developed, the chromium is suitable. If the plate is over-exposed, thin but veiled and flat, the mercury and ammonia intensifier is a good remedy. The copper and lead intensifiers give great density. The plate should be thoroughly fixed and washed before intensifying.

#### CHROMIUM INTENSIFIER

##### *Bichromate Stock Solution—*

Potassium bichromate	...	...	...	1 oz.
Water up to	...	...	...	10 oz.

##### *Bleaching Solution "A"—*

Bichromate stock solution	...	...	...	$\frac{1}{2}$ oz.
Hydrochloric acid	...	...	...	5 minims.
Water up to	...	...	...	5 oz.

##### *Bleaching Solution "B"—*

Bichromate stock solution	...	...	...	$\frac{1}{2}$ oz.
Hydrochloric acid	...	...	...	25 minims.
Water up to	...	...	...	5 oz.

The bleaching solution should be freshly made. "A" gives more intensification than "B." Immerse the washed negative in one of these solutions until it is entirely bleached, then wash until the yellow stain is removed from the film, and develop (by daylight, or after exposure to daylight) with a developer that does not contain pyro. The process may be repeated several times if the first application does not give enough intensification.

Dealing with the intensification of miniature negatives a writer in a recent issue of the "British Journal of Photo-

graphy" states that mercuric intensifiers increase grain and are also likely to produce pinholes in the negatives. The chromium intensifier is very suitable. The pyro silver intensifier is excellent for miniature films in that it appears to have no effect upon the grain of the negatives, and its action is evenly balanced. The following formula given in the B.J. Almanac works well with most makes of films:—

A				B			
Pyro	...	...	15 gr.	Silver nitrate	...	...	10 gr.
Citric acid	...	...	5-10 gr.	Water	...	...	10 oz.
Water	...	...	10 oz.				

For use, add 15 drops of "B" to 1 oz. of "A."

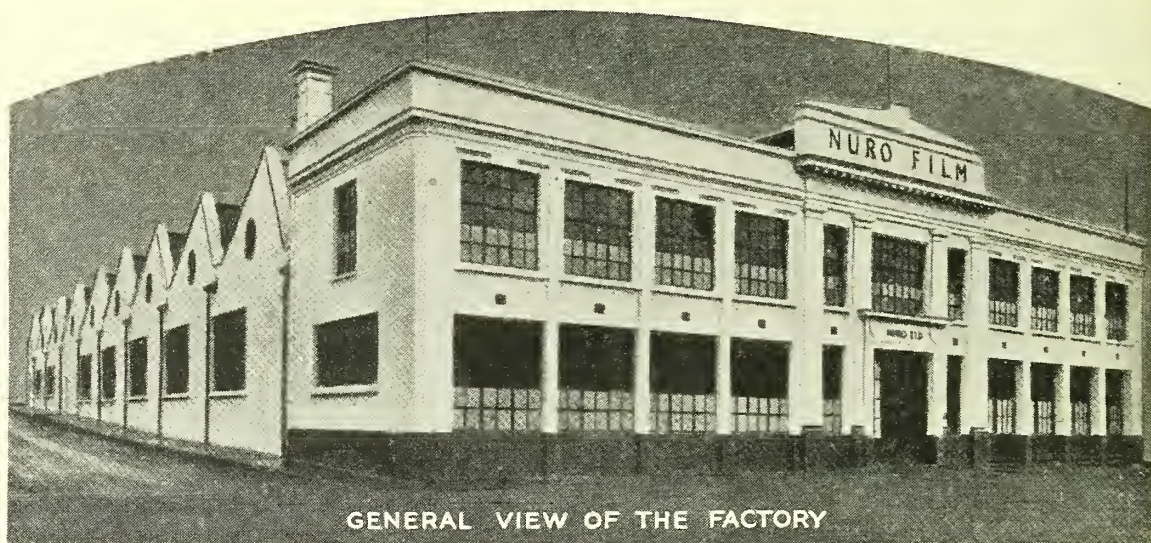
As the intensifier does not keep in solution, it is for occasional rather than for general use. The first essential is complete fixation and effective washing. Neglect of this will cause stains which cannot be removed. It is a good plan, if any doubts are entertained upon either of these matters, to re-fix the film in a fresh hypo bath, followed by thorough washing. It is also a good plan to harden the film either with formalin of a strength of one ounce in twenty of water, or in alum, one ounce in fifteen. This also will help in avoiding stains. The two solutions are prepared each in a separate measure. The negative is placed in the dish, and the solution "A" poured over it. After a few seconds this is poured into the measure containing solution "B," and the two poured over the negative. Action is rapid, and the photographer must take care that it does not go too far. The solution will rapidly become turbid, after which it is of no further use, and should be discarded. After the intensification is found sufficient the film is given a brief rinse and transferred to a clean acid fixing bath. The temperature of the solutions should be constant and not higher than 60° F. A thorough washing completes the process. With some films, especially those of the 'chrome variety, the coating may become stained a deep pink. This will disappear in the fixing bath, except in persistent cases, when it may be cleared by placing the negative in a weak solution of ammonia. After washing, the film is gently swabbed on both sides with a tuft of cotton wool to remove any deposit, and pinned up to dry. This should be done in a warm place. It should be found that the grain of the film is as fine as before.

### Other Matters

No D. and P. department can risk a stoppage in routine work. A hot summer can cause a bad breakdown, but if a bottle of Ilford tropical hardener is kept ready for such an emergency high temperatures need not in any way affect the work, for if the films are immersed in a bath of this before development no such trouble as the film melting or becoming unduly soft will arise. Another preparation that can be of great service is glazing solution. In securing not only a perfect glaze on gaslight papers but, at the same time, a safeguard against sticking, it means only a few seconds longer in the total time of production of the finished print but great satisfaction when a whole batch of prints peels readily off the drums. For those departments where large quantities of prints are handled some form of hardener is almost a necessity—some prefer to continue the old method of adding alum, acetic acid, or formalin to the hypo bath, but many desirous of avoiding trouble use a liquid acid hardener or powdered acid chrome hardener prepared by manufacturing chemists. In any case it should be remembered that it is quite an easy matter to overdose the fixing bath and to cause thereby an adverse reaction. Much has been said with regard to chemical preparations for the removal of hypo from prints, but only where there is a distinct shortage of water, and time is an important factor, is the use of hypo killer of any great value. The increase in the number of panchromatic films and the necessity for developing these in complete darkness or with a special light makes it imperative that a desensitising solution be always handy in the darkroom; a few minutes' immersion in such a bath will enable the films to be handled much more conveniently and removes the possibility of errors. Various dyes are used as desensitisers, notably phenosafranine and pinacryptol green, the former being employed in a solution 1 in 2,000 and the latter 1 in 5,000.

Lastly, it is poor economy to work any chemical solution too long; not only is its activity being reduced every time it is used, but it is taking into itself other chemicals from the films or papers which are in turn setting up other reactions that tend to retard its efficiency.



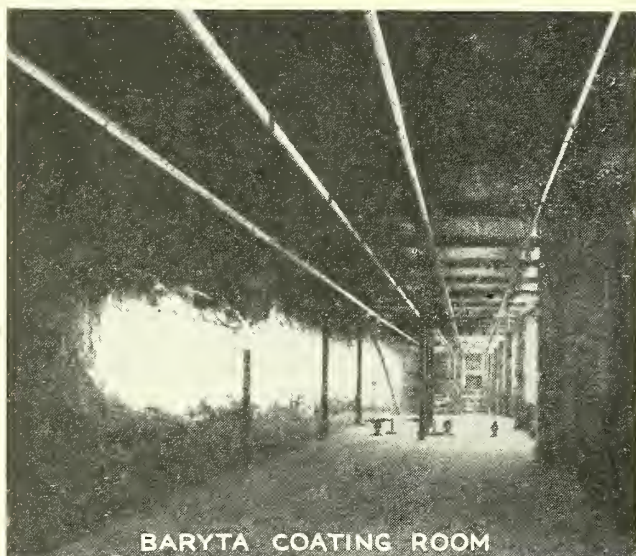


GENERAL VIEW OF THE FACTORY

## A New British Industry

### The Manufacture of Photographic Celluloid

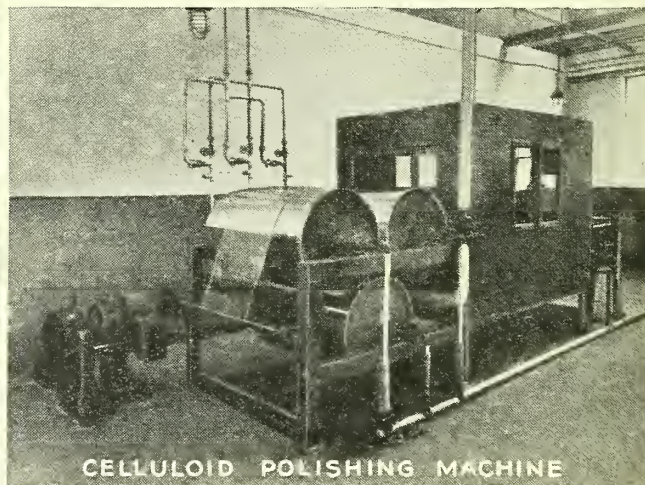
THOUGH the manufacture of celluloid is an established industry in this country, the photographic quality has always been imported, and it is only recently that a celluloid suitable for use as a base for photographic roll films has been produced commercially. A factory for this purpose has been equipped by Nuro, Ltd., at Biggleswade, Bedfordshire, and this company is now making the celluloid and coating it with sensitive emulsion to produce what they describe as a film more British than any other. The celluloid producing plant has been in operation on a limited scale for some months and the resultant product submitted to large users, who, after practical tests of its reeling and coating qualities announce that it is fully up to modern standards. Near their present premises Nuro, Ltd., have acquired a site of thirteen acres where they are about to erect a large factory solely for the



BARYTA COATING ROOM

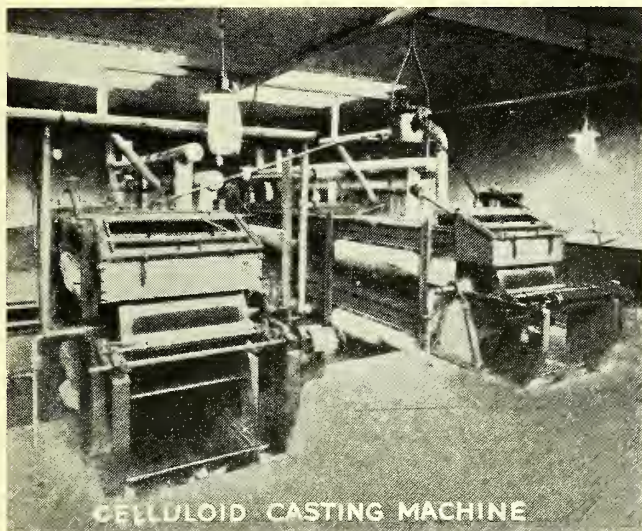


SUBSTRATA ROOM

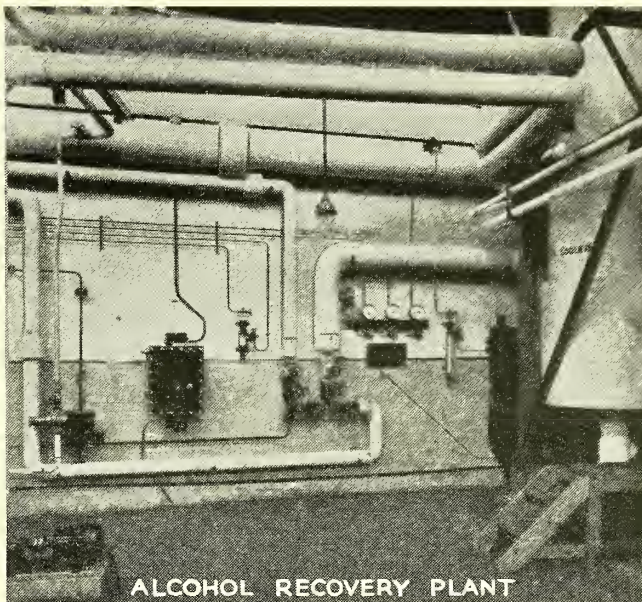


CELLULOID POLISHING MACHINE



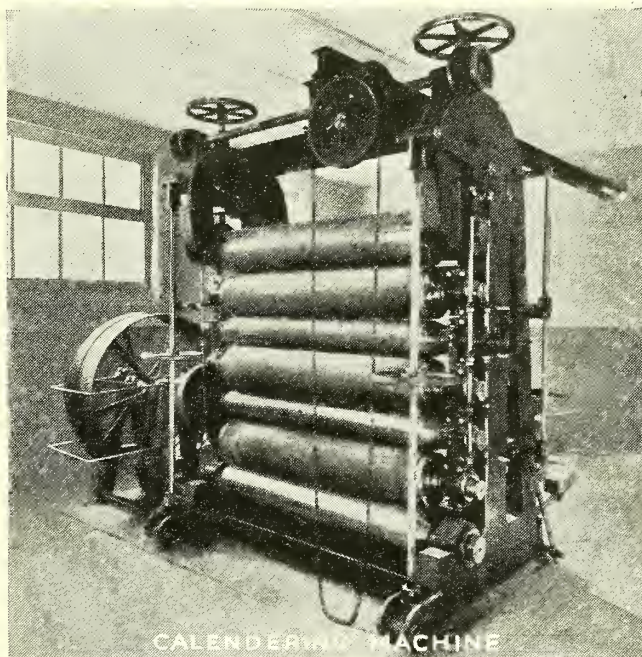


CELLULOID CASTING MACHINE

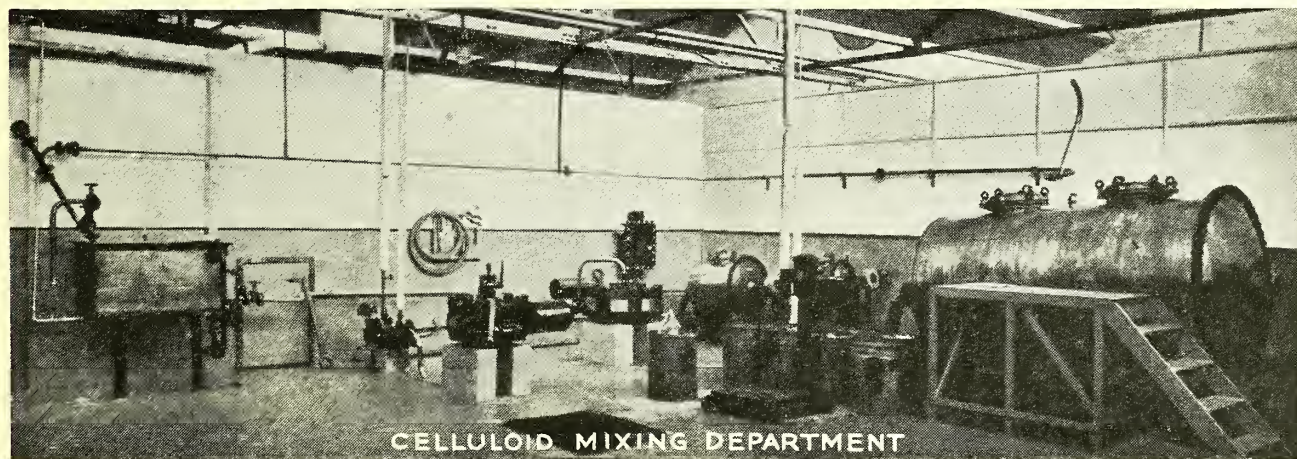


ALCOHOL RECOVERY PLANT

production of photographic celluloid. The illustrations on these pages give some idea of the machinery installed, much of which has had to be imported, since for certain processes there is nothing of its kind available in this country. Elaborate air-conditioning plant is a *sine qua non* in making roll films but it is in the celluloid casting room where one finds precautions *in excelsis*. Manufacturing operations in connexion with the sensitising emulsion are carried on below ground, so that there is no risk of entry of stray light and atmospheric conditions are subject to little change. The festooning rooms, where the sheets of film hang while the emulsion is drying, are about 300 feet in length. Spooling of roll film is a procedure which requires a certain amount of skill, since all the care which has preceded may be nullified by, for example, a finger mark, and Messrs. Nuro have spent considerable time and trouble in training their staff to be efficient. As regards Nuro film itself every effort has been made to achieve a balanced product, i.e., fast but not too speedy, fully orthochromatic with good gradation, non-halation, fine grain, and it only remains to be said that the company has entirely succeeded. The films are being packed in gaily coloured cartons, one dozen being enclosed in an outer for display purposes. At present orthochromatic films only are available, but chrome and panchromatic are in course of preparation. The films are to be sold at standard prices.



CALENDERING MACHINE



CELLULOID MIXING DEPARTMENT



# Photographic Accessories

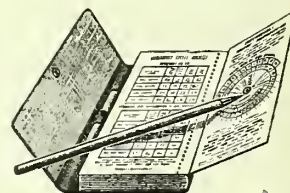
The dealer who increases the sales of accessories enlarges the scope of his customers' activities

**H**AVING sold a camera many dealers are inclined to think that nothing further is required of them than to provide suitable film for it. This is a most mistaken view; every sale should be closely followed up and an effort made to help the customer to obtain good results with his new camera. It is not always possible to instil into a person lacking in artistic temperament the difference between a good and a bad view point, but it is possible to help them to obtain considerably better results than they would otherwise by persuading them to use suitable accessories.

## Sky Filters

The first of the accessories to recommend is a sky or cloud filter. A good proportion of amateur photographs are landscapes or subjects containing a large amount of sky. This is usually rendered by the unskilled person as an expanse of pure white, and no matter how good the picture may be from a record point of view this white patch detracts considerably from the artistic value of the print. Provided there are clouds in the sky when the photograph was taken, there is really no difficulty in getting them into the photograph. Photographic films and plates, both orthochromatic and panchromatic, are highly sensitive to blue rays, the "ortho" being even more so than the "pan." The sky reflects a very large amount of blue rays which completely swamp the white of the clouds, and in order to reduce the excessive amount of blue rays and to obtain the correct tone values, it is necessary to restrain or hold them back by means of a yellow filter placed in front of the lens. The yellow filters are obtainable in various depths ranging from very pale yellow to deep orange. Usually a pale yellow one is all that is required, and this makes little or no difference to the length of exposure. If, however, a strong rendering of clouds is desired and it is permissible to overcorrect the foreground (by that is meant alter the tone rendering of the greens), then a somewhat deeper filter may be used, which will require, according to the depth of filter used, a longer exposure than would

ordinarily be given. A very fine rendering of clouds may be obtained by using panchromatic film and a tricolour red filter, which also tends to bring up distant detail in landscapes. The use of such a filter generally requires about eight times the ordinary exposure. If these few points are explained to the customer, it will become apparent to him that even the most ordinary snapshot taken with a cloud filter on a bright day, with clouds in the sky, will have the clouds correctly reproduced, and he has only to compare a landscape lacking in clouds with one in which the clouds have been correctly rendered to see the big difference. A large selection of cloud filters need not be kept in stock by the dealer, just a few of different sizes, preferably in adjustable mounts, and he is ready for what might be termed his first after-sales service.

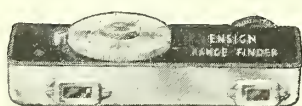


Wellcome Exposure Calculator

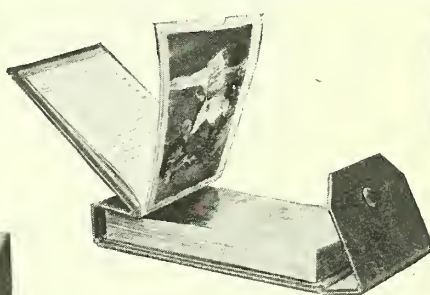
## Exposure Meters

Exposure meters are possibly next on the list. How many incorrectly exposed photographs does the dealer pass through his hands every season? Some are too dark, and, worse still, some are not there at all. Now, this is not pleasing to the photographer, and it is certainly not to the interests of the dealer. A photograph spoilt through incorrect exposure is a definite financial loss to the dealer. In the first place, he has lost the price of the print, not very much, perhaps, but it might have been a good picture and the subject of a series of enlargements. When an exposure meter is used the number of incorrect exposures is reduced to the minimum, so it is up to the dealer to try to sell them. Exposure meters are available at all prices from the small extinction type at about 5s. up to the elaborate photo-electric at about £5. A popular exposure

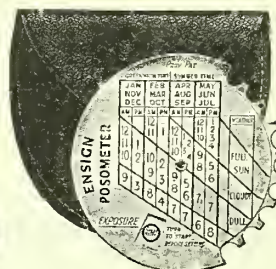
## Photographic ACCESSORIES



Range Finder



Film Negative Album



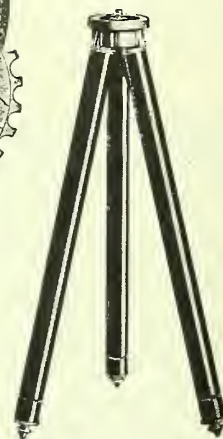
Posometer



Photocopy Exposure Meter



Developing and Printing Outfit



Tripod

The accessories illustrated are by Ensign, Ltd.



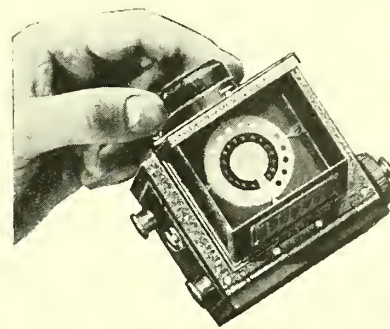
calculator is that in the "Photographic Diary" published by Burroughs Wellcome & Co.

Another really useful accessory is a tripod. It is practically impossible to hold a camera steady in the hand for longer than one-tenth of a second, so when making longer exposures a tripod becomes a necessity. Many customers have rather a peculiar attitude towards tripods; they are inclined to look on them as the surviving link with the age of stand cameras and wet plates, and counter any suggestion to buy one with the remark that "they take nothing but snapshots," or that "their camera has a  $f$  3.5 lens, and that the longest exposure that they ever give is  $1/100$  of a second." All these excuses may be to a certain extent true, but never-



Ensign Colour Filter

theless tripods are bought and used by serious-minded amateurs every day, and such apparatus can now be obtained so small and light that it will fit comfortably into the hip pocket. Photographs are always cropping up which necessitate the placing of the camera on a firm support, and the only rational firm support is a tripod. Having sold a tripod, an adjustable ball-and-socket tripod head follows as a matter of course; this enables the photographer to tilt the camera up or down or turn it from side to side. It also comes in very useful on uneven ground where it is not always possible to get the three legs of the tripod on the same level.



Voigtlander Brilliant Exposure Meter

## Java Citronella Oil

The following tables give details of quantities exported (in 1,000 kilogs. net) and destinations, with percentages for Europe, America, Asia and Australia, for the years 1927 to 1935. Shipments to Africa were nil from 1927 to 1932 and 2 tons in 1933, 6 tons in 1934 and 10 tons in 1935:—

			Europe		America	
			1,000 kg.	Per cent.	1,000 kg.	Per cent.
1927	...	...	880	67.0	312	23.7
1928	...	...	711	62.4	317	27.9
1929	...	...	451	52.3	298	34.5
1930	...	...	466	57.2	221	27.1
1931	...	...	886	58.7	236	26.7
1932	...	...	500	50.4	366	37.0
1933	...	...	844	55.4	479	31.5
1934	...	...	933	52.3	634	35.6
1935	...	...	983	59.4	403	24.3

			Asia		Australia	
			1,000 kg.	Per cent.	1,000 kg.	Per cent.
1927	...	...	99	7.6	14	1.1
1928	...	...	99	8.7	11	0.9
1929	...	...	98	11.4	11	1.2
1930	...	...	114	14.0	10	1.3
1931	...	...	113	12.7	14	1.5
1932	...	...	119	12.0	6	0.6
1933	...	...	190	12.5	7	0.5
1934	...	...	198	11.1	3	0.2
1935	...	...	244	14.7	11	0.7

The average prices per kilog. for minimum 85 per cent., in drums, delivered spot, Batavia, have been:—

1914	...	...	4.32	1925	...	...	Fl. 4.30
1915	...	...	2.77	1926	...	...	2.64
1916	...	...	2.70	1927	...	...	1.85
1917	...	...	1.96	1928	...	...	2.05
1918	...	...	1.73	1929	...	...	2.85
1919	...	...	2.60	1930	...	...	2.85
1920	...	...	5.27	1931	...	...	2.25
1921	...	...	3.19	1932	...	...	2.09
1922	...	...	3.24	1933	...	...	1.45
1923	...	...	4.73	1934	...	...	0.89
1924	...	...	6.01	1935	...	...	0.69

During 1935 values, spot Batavia, declined from Fl. 0.76½ per kilog. in January to Fl. 0.67 in December.

## Trade in Ceylon

A DISTILLERY situated at Wadduwa, not far from Colombo, has manufactured rectified spirits from an arrack base. The Government analyst has reported the product to be in every way equal to the imported spirits. Application has now been made to the Ministry for Home Affairs of the State Council for the manufacture and sale of this product. Ceylon to-day imports annually 10,000 gallons of rectified spirits. The present price per gallon on the local market is Rs. 33 and 50 cents. The proposal is to sell the local product at Rs. 30 a gallon. The subcommittee of the Executive Committee of the Ministry of Home Affairs of the State Council of Ceylon, which recently reported on Excise matters, recommended that the local manufacture of industrial alcohol should be encouraged.

It has been found that in Bombay, which, with Calcutta, is the main wholesale market for drugs and medicines in India, empty bottles which contained standard drugs made by reputable European firms sell for about an anna each. Bottles which have contained expensive drugs and have their labels and stoppers in good condition fetch higher prices. Bottles which have contained a well-known brand of lime juice cordial are worth three to four rupees a dozen on account of the fact that the makers' name is moulded in the glass. The imitation of a well-known face cream has been detected, this time from Japan. The wholesale price of this imitation is Rs. 65 and 10 annas for a case of 50 dozen jars. These are being retailed in the bazaars at the rate of three jars for 7 annas. The manufacturers of the original product state that this is less than the actual cost of packing, and in addition the price has to include the 30 per cent. import duty. This faking of standard products has led to an ingenious and very lucrative form of "racket." A case was brought to the notice of a manufacturer by an up-country surgeon who returned a phial of insulin to the Bombay office of the manufacturer, because he did not believe it was genuine. It was obvious from a casual examination that the contents of the phial was not insulin, but in order to make sure it was sent to London for examination in the firm's laboratories. They confirmed that the contents had been tampered with and that the insulin had been replaced with some cheap form of oil.

Restrictions placed upon the importation of poisons into Ceylon are likely to be relaxed shortly. A draft of an Ordinance to amend the Poisons, Opium and Dangerous Drugs Ordinance of 1929 is under consideration by the Executive Committee of Health of the Ceylon State Council. According to the present law, framed pursuant to a resolution of the League of Nations, all poisons importations should be made through the Director of Medical and Sanitary Services. The League of Nations itself now desires an alteration in this procedure and recommends that poisons should be imported into the various countries by the dealers themselves direct, provided they possess a licence and authority.



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, March 26

NO IMPROVEMENT IN DEMAND can be recorded this week. In most markets there is a quiet tone with values keeping about steady. It is evident that consumers have adopted a policy of caution and speculators seem to have ceased operations for the time being, due, in both instances, no doubt, to the generally unsettled conditions. The demand for PHARMACEUTICAL CHEMICALS has been no more than average, and mostly for comparatively small quantities. The recent reduction in METHYL SALICYLATE seems to have steadied up the market. Continental products continue unsteady on spot, and the demand is very slow. BROMIDES, IODIDES, MERCURIALS and the other leading lines of British makers are all about steady.

## Crude Drugs

Rather scratchy and restricted business is reported in most directions, but values are keeping quite steady. Spot business in AGAR has been small, market easy as quoted. BARBASCO ROOT is scarce on spot and firm forward. DESICCATED COCONUT is quoted cheaper, spot and forward; market steady. Bergen reports steadier conditions and more business in Norwegian COD-LIVER OIL. Sustained demand for DERRIS ROOT, market firm. Russian ERGOT is again quoted slightly easier, slow business. Sudan GUM ACACIA shows no improvement in demand or price. LYCOPodium is very scarce and dear on spot, and bids for shipment have been ignored. The MENTHOL market has been quiet and tends slightly easier. Spanish MERCURY is very steady. Florentine ORRIS root is firm on spot. RUBBER is steady at a fractional advance on the week. SENEGA is quite steady but dull on spot. Higher prices are reported to have been paid for Para TONKA BEANS on spot. Steady demand for druggists' qualities of TRAGACANTH. BEES' and CARNAUBA WAXES have been quiet; quoted unchanged.

## Essential Oils

With a few products as exceptions the demand this week has been quiet and modest in volume. Whatever supplies of ANISE (STAR) that may still be available on spot are firmly held, and there seems to be a deadlock at the source as regards shipments. BERGAMOT is again rather easier on spot, with business of no importance. Ceylon CINNAMON LEAF is dearer, and the source reports very firm conditions; spot values are also at an advance. Ceylon CITRONELLA for shipment has touched a new low level of value and is still neglected. Australian EUCALYPTUS is meeting with a good demand for the time of year, and values are very steady. Sicilian hand-pressed LEMON is again rather easier on spot, with little serious business reported. The source indicates stronger shipment prices, and this move may be reflected in a recovery in the values of the Californian oils. LEMONGRASS is quoted at low figures for shipment, but little business has been done. During the past week there has been a fairly good quantity of new crop French GUINEA ORANGE landed, and the spot position is not so firm and may tend easier in due course; the shipment market has not done much actual business, and here also the position tends to ease. A fair demand is reported for spot supplies of Japanese PEPPERMINT, but speculative business in the forward positions has been negligible. Business in American PEPPERMINT has been slow. There does not seem to be nearly so much competition from outside parcels in East Indian SANDALWOOD.

## Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	March 26	Value of the £
Amsterdam ...	Fl. to £	12·107	7·27 $\frac{1}{2}$	12/0 $\frac{1}{2}$
Berlin ...	Mks. to £	20·43	12·31	12/0 $\frac{1}{2}$
Brussels ...	Belgas to £	nominal	29·25 $\frac{1}{2}$	16/8 $\frac{1}{2}$
Copenhagen ...	Kr. to £	18·159	22·40	24/8 $\frac{1}{2}$
Lisbon ...	Esc. to £	110	109 $\frac{3}{4}$	19/11 $\frac{3}{4}$
Madrid ...	Ptas. to £	25·22 $\frac{1}{2}$	36 $\frac{1}{2}$	28/5 $\frac{1}{2}$
Milan ...	Lire to £	92·46	62 $\frac{1}{2}$	13/6
Montreal ...	Dol. to £	4·86 $\frac{1}{2}$	4·97 $\frac{3}{4}$	20/5 $\frac{1}{2}$
New York ...	Dol. to £	nominal	4·96 $\frac{1}{2}$	20/5
Oslo ...	Kr. to £	18·159	19·90 $\frac{1}{2}$	21/11
Paris ...	Fr. to £	124·21	75	12/0
Prague ...	Kr. to £	164·25	119 $\frac{1}{2}$	12/0 $\frac{1}{2}$
Stockholm ...	Kr. to £	18·159	19·39 $\frac{1}{2}$	21/4
Warsaw ...	Zloty to £	43·38	26 $\frac{1}{2}$	12/0 $\frac{1}{2}$
Zurich ...	Fr. to £	25·2115	15·15	12/0 $\frac{1}{2}$

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

BUSINESS continues on rather quiet lines in most products, and price-cutting is still in evidence in the imported products. Methyl salicylate is steadier at the recent reduction. Santonin is being offered much under the controlled price.

ASPIRIN.—Makers' scale of prices fully maintained: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8 $\frac{1}{2}$ d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

BARBITONE.—Very keen spot quotations, business slow: spot, one cwt., 15s. 3 $\frac{1}{2}$ d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 2d. per lb.

BENZONAPHTHOL.—Occasional inquiry, with quotations held at 3s. 1 $\frac{1}{2}$ d. to 3s. 3d. per lb., as to quantity.

BENZOIC ACID (B.P.).—Average demand, market steady: quantities, ex works, 1s. 9 $\frac{1}{2}$ d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—This market is steady at makers' scales of prices: Carbonate, B.P., one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; less than 8 lb., 8s. 6d. per lb. Rebates for bulk quantities.

BROMIDES.—Prices are steadily maintained, fair business: Ammonium, not less than 5 cwt., 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 5d. per lb.; potassium, B.P. crystals and granular, not less than 5 cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., net, without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Small business, with quotations unchanged: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Continental makers' agreed prices: pure alkaloid two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb., delivered, 5-lb. tins free, smaller packing extra. Citrate, two cwt., 5s. 5 $\frac{1}{2}$ d.; one cwt., 5s. 6 $\frac{1}{2}$ d.; 56 lb., 5s. 7 $\frac{1}{2}$ d.; smaller quantities, 5s. 8 $\frac{1}{2}$ d.; per lb., delivered. British material: pure, 56 lb., 8s. 4d.; less, 8s. 6d. per lb. Citrate, 56 lb., 5s. 9d.; less, 6s. per lb.

CALCIUM LACTATE.—Fair inquiry, with the market steady but competitive: spot, one cwt., 1s. 0 $\frac{1}{2}$ d.; 56 lb., 1s. 1 $\frac{1}{2}$ d.; 28 lb., 1s. 2 $\frac{1}{2}$ d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Makers' prices are fully steady for home trade: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4 $\frac{1}{2}$ d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Continues fully steady and in fair demand: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—Makers' scales of prices for bulk quantities and wholesale distributors' prices for smaller lots are steady for home trade. Export prices vary as to destination.

CREAM OF TARTAR.—Fair inquiry, quoted unchanged: British material, 99 to 100 per cent., 79s. per cwt., less 2 $\frac{1}{2}$  per cent. discount. Dealers' prices for foreign material competitive.

IODIDES.—Rather more inquiry, quoted at former rates: Potassium Iodide B.P.—1 cwt., 5s.; 28 lb., 5s. 2d.; 14 lb., 5s. 4d.; 7 lb., 5s. 8d.; 4 lb., 6s. 2d.; smaller quantities, 6s. 8d. per lb. Sodium Iodide B.P.—28 lb., 6s.; 14 lb., 6s. 2d.; 7 lb., 6s. 7d.; 4 lb., 7s. 4d.; smaller quantities, 7s. 10d. per lb. Iodine Resub. B.P.—One cwt., 6s. 1d.; 28 lb., 6s. 3d.; 14 lb., 6s. 5d.; 7 lb., 6s. 10d.; 4 lb., 7s. 4d.; smaller quantities, 8s. 4d. per lb. Iodoform B.P.—28 lb., 8s. 8d.; 14 lb., 8s. 10d.; 7 lb., 9s. 5d.; 4 lb., 10s. 2d.; smaller quantities, 11s. 2d. per lb.; net cash fourteen days. One cwt. may be assorted at respective minimum prices; 28 lb. may be assorted at respective 28 lb. prices. Jars extra, returnable: 28-lb. tins free. Cases free for 1-cwt. lots. Carriage paid on any quantity. Contracts may be booked, with a reduction clause, for 1 cwt. and upwards for delivery over four months. Wholesale distributors' prices for smaller quantities would be dearer.

LACTIC ACID (B.P.).—Steady market, with a fair business passing: quantities in carboys, 1s. 4 $\frac{1}{2}$ d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—This market continues firm at makers' scales of prices: Chloride, B.P., not less than one cwt., 4s. 11d.; less than one cwt., from 5s. per lb. upwards.

PHENACETIN.—Moderate business, steady at current low values: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7 $\frac{1}{2}$ d. up to 3s. per lb., as to quantity.



**PHENAZONE.**—Business is poor, with spot quotations very competitive: crystals, five cwt., 8s. 9½d.; two cwt., 9s. 0½d., and less, 9s. 3d. per lb., with powder 2½d. per lb. extra.

**PHENOLPHTHALEIN.**—A little more inquiry, with market continuing rather keen: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYL ETHYL BARBITURIC ACID.**—Average small business on spot, with dealers quoting about 25s. to 26s. per lb. in 2-lb. bottles, as to quantity.

**PHOTOGRAPHIC CHEMICALS.**—**AMIDOL.**—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. **CHLORQUINOL.**—1-lb. bottles, 21s. per lb. **GLYCIN.**—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE.**—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. **METOL.**—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 21s. per cwt. 28 lb. for 6s. **GOLD CHLORIDE.**—15-grain tubes, 51s. 6d. per doz. **MAGNESIUM POWDER.**—10s. per lb. **PARAMIDOPHENOL HYDROCHLOR.**—8s. 6d. per lb. **POTASSIUM FERRICYANIDE.**—14 lb., 2s. 3d.; 7 lb., 2s. 6d.; 1 lb., 2s. 9d. per lb. **POTASSIUM METABISULPHITE.**—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. **PYROGALLIC ACID.**—28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. **SODIUM CARBONATE (RECRYST).**—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, CUBE, CRYST.**—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM SULPHIDE (PURE).**—7 lb., 1s. 3d.; 1 lb., 1s. 6d. per lb.

**POTASSIUM PERMANGANATE (B.P.).**—Fair business, dealers' prices steady: quantities in drums, 8½d. to 9d.; druggists' parcels, from 9½d. to 1s. per lb., as to quantity.

**QUININE SALTS.**—Convention scales of prices continue steady: business about normal; sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8½d.; salicylate, 2s. 9½d.; hydrochlor., 2s. 7½d.; dihydrochloride, 2s. 10½d.; hydrobromide, 2s. 7½d.; bihydrobromide, 2s. 10½d.; valerianate, 3s. 7d.; hyposulphite, 3s. 10½d.; alkaloid, 2s. 11d. per oz., carriage paid on bulk quantities, 100-oz. tins free; smaller packing extra.

**RESORCIN.**—Market is steady as quoted for British material, business slow: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

**ROCHELLE SALTS.**—Makers' prices are as follows:—

	Pulv. Sod. Pot. Tart. B.P.	Pulv. Seidlitz	Double Seidlitz
	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.
Under 1 cwt. ...	82 6	66 3	73 3
Under 5 cwt. ...	80 0	64 3	71 3
Not less than 5 cwt. in one delivery...	77 6	62 6	69 0

Soda Pot. Tart. cryst. at 2s. 6d. per cwt. extra to powder. Special prices for quantities. Contracts are accepted subject to a rise and fall clause.

**SALICYLIC ACID (B.P.).**—A quiet market, quoted unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

**SALOL.**—Business of small importance, some quotations are keen: spot, crystals, two cwt., 3s. 6d.; one cwt., 3s. 6½d.; 56 lb., 3s. 7½d.; smaller parcels, up to 4s. per lb.; powder, 2½d. per lb. extra.

**SANTONIN.**—Some of the second-hand parcels are now being offered at very keen prices. No change in first-hand prices: not less than 50 kilos., £35 12s. 6d.; not less than 25 kilos., £36 1s.; not less than 10 kilos., £36 9s.; not less than 3 kilos., £36 17s.; not less than 1 kilo., £38 13s. 6d.; less than 1 kilo., £39 13s. 6d. Special prices are in operation for export to all markets.

**SODIUM BENZOATE (B.P.).**—A fair inquiry continues, with keen prices quoted for bulk quantities: bulk quantities, about 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

**SODIUM DIETHYBARBITURATE.**—Quotations continue at the recent reduction: spot, one cwt., 14s. 9d.; 28 lb., 15s.; 14 lb., 15s. 3d.; 7 lb., 15s. 6d.; smaller parcels, up to 16s. per lb.

**SODIUM SALICYLATE (B.P.).**—Makers' quoted prices are unchanged: home trade, crystals or powder, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

**SULPHONAL.**—Dull and irregular on quotation: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 9d. per lb.

**TARTARIC ACID (B.P. CRYSTALS).**—Fair inquiry, with prices about steady: British makers quote 1s. per lb., less 5 per cent. discount. Dealers offering foreign material at competitive prices.

**VANILLIN.**—Inquiry continues fairly good, with Convention prices steady: ex clove oil or guaiacol, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

## Crude Drugs, etc.

A REPORT of the drug auction will be found on p. 389.

**ACONITE ROOT.**—Dealers are now offering *Napellus* at 62s. 6d. and Japanese at 47s. 6d. per cwt.

**AGAR.**—The spot market has been slow, and it is possible quoted prices may be shaded on spot; Kobe No. 1, 2s. 6d.; No. 2s, 2s. 4½d.; Yokohama, No. 1, 2s. 5d. per lb.; shipment, Kobe, No. 1, 1s. 10½d.; No. 2, 1s. 9½d.; Yokohama, No. 1, 1s. 10½d. per lb., c.i.f.

**ANTIMONY.**—Chinese crude is quoted slightly dearer at £31, c.i.f. English regulus, £72 to £73, spot.

**BARBASCO ROOT.**—Very little root available at spot, and nominal at 1s. 2d.; shipment firm, with nothing offering before May-June shipment at about 10½d. per lb., c.i.f., for 4 per cent. rotenone.

**BELLADONNA.**—Rather more inquiry: leaves, 60s.; root, 50s. per cwt., spot.

**CAMPHOR.**—Average spot business, quoted unchanged. Japanese spot, tablets, 2s. 5d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store. Shipment, tablets, 2s. 1½d.; powder, 2s. 0½d.; slabs, 2s. per lb., c.i.f. English refined is unchanged; flowers, 1 cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ¼ oz., and ⅓ oz., 3s. 6d. per lb.; special prices for contracts and quantities.

**CANTHARIDES.**—Chinese flies are offered for shipment at about 1s. 7d. per lb., c.i.f.

**CASCARA SAGRADA.**—Market is dull, but quite steady: spot, 1932 peel, 56s.; 1933 peel, 54s.; 1934 peel, 52s.; 1935 peel, 50s. per cwt.; shipment, 1933 and 1934 peel, about 46s. and 1935 peel firm at 42s. 6d. per cwt., c.i.f.

**CLOVES.**—Market has been rather quiet, values steady. Zanzibar, spot, 7½d.; shipment, March-April, 6½d. per lb., c.i.f. Madagascar, in bond, 6½d.; shipment, March-April, 6d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended March 21 were 101 and the deliveries 111, leaving a stock of 1,914. From January 1 to date the landings of Zanzibar have been 1,616 and the deliveries 759. Landings of Madagascar for the week ended March 21 were 71 and the deliveries 127, leaving a stock of 1,265. From January 1 to date landings of Madagascar have been 571 and the deliveries 868 packages.

**COCONUT (DESICCATED).**—Values have declined and the market has been dull: spot, fine, 24s.; medium, 24s. per cwt.; shipment, halves, March, 22s.; April, 21s. per cwt., c.i.f.

**COD-LIVER OIL.**—Bergen reports favourable weather and improved fishing results. Results to March 21: 52,331 tons of cod and 27,296 hectol. of oil, compared with 45,811 tons of cod and 29,129 hectol. of oil at the same date in 1935, and 74,604 tons of cod and 48,064 hectol. of oil in 1934. Shipment market is reported steady, with more business being done. Finest Lofoten steam refined medicinal oil, 84s. to 85s. per barrel, c.i.f., London; spot, in small lots, about 127s. 6d. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 100s. per barrel, c.i.f., London, duty free, while quotations from another home source are at higher figures.

**COLOMBO ROOT.**—Dealers quote small parcels of natural at 21s. 6d. and washed at 27s. 6d. per cwt.

**DERRIS ROOT.**—A steady demand continues, with spot supplies very restricted. Shipments now due, 15 to 17 per cent., ether extract, quoted at 11½d. per lb., c.i.f.

**GENTIAN.**—Fair demand on spot, with the value of small parcels steady at 40s. per cwt.

**GINGER.**—Spot has advanced and shipment prices for West African are dearer: West African, spot, 55s.; for arrival, 51s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 96s. to 100s.; small grinding, 70s. per cwt., in bags, ex store.

**GUM ACACIA.**—Market has been on the quiet side: spot, Kordofan cleaned sorts, 41s.; bleached, No. 1, 110s.; extra, 120s. per cwt.; shipment, Kordofan cleaned sorts, 35s. 6d. per cwt., c.i.f.

**HENBANE.**—Dealers are quoting spot stocks at about 80s. per cwt.

**HYDRASTIS.**—Business of little importance, market steady: spot, 10s.; shipment, 9s. 6d. per lb., c.i.f.

**IPFACUANHA.**—Rather less doing but prices are quite steady: Matto Grosso, B.P. test, 5s. 6d. to 5s. 7½d. per lb.

**LYCOPODIUM.**—Spot very scarce and firm at 10s. per kilo. Bids for shipment at 8s. per kilo., c.i.f., have been ignored at the source.

**MENTHOL.**—Rather slow market and values are slightly easier on the week: K/S brands, spot, 14s. 7½d. to 14s. 9d.; re-sellers of January-March, 13s. 3d., c.i.f. Japanese shippers quoting April-May at 13s. 3d. to 13s. 4½d. per lb., c.i.f.

**MERCURY.**—The Spanish-Italian group report their shipment quotation is steady and business continues on a fair scale: quoted at 63 dollars per bottle, f.o.b., Continent; spot, in small lots, £12 17s. 6d. to £12 18s. per bottle, ex store.

**OPTUM.**—Usual spot business, with values steady: spot, 1s. 4d. to 1s. 4½d. per unit, landed and duty paid.

**ORRIS ROOT.**—Small lots of fair Florentine are quoted on spot at 75s. per cwt.



**PEPPER.**—Business has been quiet, values about unchanged on the week: Lampung, in bond, 2½d.; shipment, March-May, 2½d.; August-October, 2½d., c.i.f. Tellicherry, spot, 4½d.; shipment, March-May, 36s., c.i.f. Aleppy, spot, 4½d.; shipment, March-May, 35s., c.i.f. White Muntok, in bond, 4½d.; shipment, March-May, 4½d.; August-October, 4½d. per lb., c.i.f.

**PIMENTO.**—Rather quiet but values are quite steady: spot, 7½d. per lb.; shipment, March-April, 65s. per cwt., c.i.f.

**RUBBER.**—Fair business during the week, and values are fractionally dearer: standard ribbed smoked sheet, spot, 7½d.; March, 7½d.; April, 7½d.; May, 7½d.; June, 7½d.; July-September, 7½d.; October-December, 7½d.; January-March, 7½d. per lb.

**SAFFRON.**—Business has been very quiet of late: spot, B.P., 1898, prime, 45s. 6d.; extra, 43s.; super, 40s. per lb., and less for bulk quantities.

**SEEDS.**—**ANISE.**—Spot, duty paid, Spanish, 59s.; Bulgarian, 31s. CANARY.—Market unchanged: Mazagan, 35s.; Spanish, 45s. to 52s. 6d., all spot, duty paid. **CARAWAY.**—Dutch, spot, 42s., duty paid; Morocco, 32s. 6d. **CORIANDE.**—Morocco on spot quoted at 23s. 9d., duty paid, and 21s. 9d., in bond. Very little business passing. **CUMIN.**—Malta, 47s. 6d., spot; Morocco, 47s. 6d., duty paid; 43s. 6d., in bond. **FENUGREEK.**—Morocco quoted at 14s. 6d., spot, duty paid; 10s. 9d., c.i.f., quoted. **MUSTARD.**—English, 21s. to 31s. per cwt., according to quality.

**SENEGA.**—This market is very steady on spot at 1s. 5d., but business is slow; shipment, 1s. 4½d. per lb., c.i.f.

**SHELLAC.**—Business restricted, values keeping fairly steady: spot, standard TN orange, 54s. to 59s.; fine orange, 70s. to 150s.; pure button, 70s. to 75s. per cwt., spot.

**SQUILL.**—Some fair white on spot is being quoted at 47s. 6d. per cwt. for small parcels.

**TONKA BEANS.**—The spot value for fair frosted Para beans is now reported to be up to 4s. per lb.; shipment, 3s. 3d. per lb.

**TRAGACANTH.**—Continued demand for druggists' qualities, with prices fully maintained from £20 to £29 per cwt. Other grades rather quiet and unchanged in value.

**VALERIAN ROOT.**—Business remains slow, with dealers quoting spot at about 37s. 6d. per cwt.

**WAX.**—**BEE'S.**—A limited inquiry, quoted unchanged for all kinds: Calcutta, bleached, spot, 135s.; afloat, 130s.; shipment, 122s. 6d., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 106s., c.i.f. Benguella, spot, 120s.; shipment, 105s., c.i.f. Conakry, spot, 120s., nominal; shipment, 107s. per cwt., c.i.f. **CARNAUBA.**—Market rather dull but steady. Fatty grey, spot, 165s.; afloat, 150s.; shipment, March, 150s., c.i.f. Chalky grey, spot, 170s.; shipment, March, 158s., c.i.f. Primeira, spot, good quality, firm at 220s.; shipment, afloat, 207s. 6d.; March-April, 202s. 6d., c.i.f. Mediana, 205s.; shipment, 192s. 6d. per cwt., c.i.f.

### Essential Oils, etc.

A VERY moderate volume of business is reported this week, with prices keeping up fairly well. Anise (Star) firm and dear. Bergamot dull and rather easier. Sicilian lemon tends easier and has been much quieter; the Californian oil may advance. West African Orange is not quite so firm this week and more supplies are now offering. Fair demand on spot for Japanese peppermint.

**ALMOND.**—Average small spot business, market steady: English-made, cwt. lots, 2s. 3d.; smaller parcels, up to 2s. 7d. per lb.; foreign, cwt. lots, 2s. 2d.; smaller parcels, up to 2s. 6d. per lb. French, bitter, 6s. 3d. per lb.

**ANISE (STAR).**—Acute shortage of supplies on spot and quoted firmly at high figures; no shipment offers. It is reported that native producers are refusing to sell their oil to the Government monopoly because they are offered paper money in payment. The Government ban on independent export continues in force: spot, leads, 2s. 6d.; tins, 2s. 5½d.; drums, 2s. 4d. per lb., ex store.

**BAY.**—Dealers' prices steady, business quiet: 49 to 50 per cent., 4s. 7d. to 4s. 9d.; 59 to 60 per cent., 4s. 10d. to 5s. per lb., as to quantity.

**BERGAMOT.**—The demand has again been slow on spot, and holders are inclined to ease their prices to about 9s. 3d. to 9s. 9d. per lb., as to brand and quantity. Reports from the source about the new Consortium are conflicting; from one quarter it is indicated that the operation of the control may prove difficult and no more satisfactory than in former instances, while another report states that all shipment offers have been withdrawn, apparently under the direction of the Consortium. Up to very recently offers were certainly being made c.i.f. New York and at attractive prices.

**CASSIA.**—This market is rather easier and dull: spot, about 3s. 6d. to 3s. 7d., and some offers at less. Shipment, about 3s. per lb., c.i.f.

**CEDARWOOD.**—Not much inquiry here, market steady: American, in drums, 1s. 1½d.; smaller packings, up to 1s. 4½d. African, spot, in drums, 1s. 1½d.; smaller packings, up to 1s. 4d. per lb.

**CINNAMON LEAF.**—A sharp advance is recorded here, and the market is very firm: spot supplies of the Ceylon oil are becoming short, with drums now firm from 2s. 8½d. and smaller packings up to

3s. per lb. The shipment market is very firm and considerable business, some for shipment to America, is reported; quoted at 2s. 7½d. per lb., c.i.f., in drums.

**CITRONELLA.**—These markets are neglected and a further low record price is recorded for the Ceylon oil: Ceylon, spot, drums, about 1s.; smaller parcels, up to 1s. 3d.; shipment, drums, about 8½d. per lb., c.i.f. Java, spot, drums, 1s. 2½d.; smaller parcels, 1s. 3d. to 1s. 6d.; shipment, drums, 1s. per lb., c.i.f.

**CLOVE.**—Market is steady, with practically no supplies of Madagascar oil on spot: Madagascar, spot, drums, 3s. 1½d., nominal; smaller packings, up to 3s. 6d. per lb.; shipment, 2s. 7d. per lb., c.i.f.

**EUCALYPTUS.**—A very fair business continues, and the market is firm, with the source indicating further advances possible: Australian, 70 to 75 per cent, 1s. 1½d. to 1s. 2d.; 80 to 85 per cent., 1s. 2½d. to 1s. 3d. per lb., landed; higher prices for small lots on spot. Spanish, 70 to 75 per cent., 1s. 2½d. per lb., ex store.

**GERANIUM.**—Very little inquiry for these oils: Bourbon reported steadier forward: Bourbon, spot, 21s. to 22s.; shipment, about 21s., c.i.f. Algerian, spot, 21s. to 22s.; shipment, 20s. per lb., c.i.f.

**GINGERGRASS.**—Dealers' prices steady: spot, about 5s. to 5s. 1½d.; shipment, about 4s. 6d. per lb., c.i.f.

**HO (SHIT).**—About average spot demand: spot quoted from 1s. 7d. to 2s. 1½d. per lb., as to quality and quantity.

**LEMON.**—The Sicilian hand-pressed product has met with a very small demand on spot this week, and holders' quotations are not maintained at recent high levels. Prices range from about 9s. 3d. to 10s. per lb., as to brand and quantity. The source reports that the shipment market is firmer, with the recent cheap offers to New York withdrawn. Quotations for Californian oils are unchanged and firm this week, but supplies available here are very limited: spot, cold-pressed, 4s. 2d.; distilled, regular quality, small drums, 3s. 4d. and large drums nominal at 3s. 3½d. per lb., and, with higher prices quoted for Sicilian oil in New York, a recovery is to be expected.

**LEMONGRASS.**—The shipment market is dull and easier, with the figure not more than 1s. 9d., c.i.f.: spot is idle and would be about 2s. 1½d. per lb.

**NEROLI.**—Occasional small business: spot quoted from 14s. to 18s. 6d. per oz., as to quantity and quality.

**ORANGE.**—Genuine Sicilian sweet oil is nominal on spot. There has been a fair amount of new crop French Guinea oil landed during the past week, and the position as regards available supplies here is rather easier, with prices for drums in the region of 3s. 2d. to 3s. 3d. per lb., and the usual premium for tins in cases. Buyers are certainly not rushing to cover their requirements, and the position generally tends easier. The shipment demand during the week has been restricted, and the market is not so steady; quoted at about 2s. 7½d. per lb., c.i.f., in drums. General tendency for rather easier conditions. There is no change to report in Californian oils: spot, one case, 3s. 4½d.; two or more cases, 3s. 2d.; small drums, 3s. 1d. per lb., with a fair business passing.

**PALMAROSA.**—Market remains dull, with cheap spot sellers in the region of 5s. 8d. to 5s. 9d.; shipment is idle, quoted at about 5s. 7d. per lb., c.i.f.

**PATCHOULI.**—The value of genuine Singapore oil is held at about 17s. 6d. per lb., spot. Supplies of Seychelles remain short and are steady at about 12s. 6d. per lb. for small lots.

**PEPPERMINT.**—Quite a fair spot demand, with values for the Japanese product about 5s. 10d. to 6s. per lb., as to brand and quantity. Japanese shippers are quoting March-April at 6s., c.i.f. Resellers of January-March at 5s. 9d., c.i.f., but speculators are not operating at the moment and awaiting March shipment figures to size up the position. The American natural oil has been slack, and shipment prices are nominally unchanged, with the market quiet. Oil of 50 per cent. menthol content, 2 dollars 5 cents per lb., and about 46 per cent. menthol, 1 dollar 95 cents per lb., c.i.f., in drums.

**PETITGRAIN.**—A little inquiry, with values about steady: spot, 3s. 10d. to 4s.; shipment, 3s. 5d. per lb., c.i.f.

**ROSEMARY.**—Some small business: spot oil of good quality steady up to 2s. 3d. for the best, with other grades at much cheaper figures.

**SANDALWOOD.**—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; not so much second-hand offering. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian, case lots, 15s. 3d. per lb.

**SASSAFRAS.**—Dealers are quoting natural oil at about 3s. 6d. to 3s. 9d. per lb., as to quantity. Artificial oil at cheaper prices.

**SPIKE.**—Spot and forward prices are very irregular, depending on the quality of the oil: spot, from 3s. 6d. to 4s., with shipment anything in the region of 3s. 4d., c.i.f.

**VEITIVERT.**—Small spot parcels are quoted at about 38s. per lb.; shipment, 30s. per lb., c.i.f.

**WORMSEED.**—Market is dull and offers of poor quality oils are cheap: U.S.P. oil, spot, about 9s.; shipment, 8s. 8d. per lb., c.i.f.



## London Drug Auction

Commercial Sale Rooms,  
Mincing Lane, E.C.3.  
March 26, 1936.

AT THE DRUG AUCTION, held to-day, eight catalogues were submitted. The offerings covered the usual range of commodities, with a fair proportion of fresh importations. The demand generally showed a definite improvement on recent auctions, and a fair quantity was cleared at steady prices. **ALOES** continue firm, especially Cape, with supplies still meagre. **BENZOIN**, Sumatra, fully steady with a fair selection on offer. **BUCHU** attracted good attention and a fair quantity changed hands at the recent level of prices. **DRAGONS BLOOD** was quiet at previous rates, and although nothing was sold "under the hammer" a good business is reported privately. **SENNA** continues unchanged for the Tinnevely variety, but very high prices are wanted for the small quantity of really bold selected **ALEXANDRIAN** hand-picked pods that are available. **GUAIACUM** met with a very steady demand, and several parcels found ready buyers. **IPECACUANHA**, Matto Grosso, practically nothing offered, and prices are reported firm for shipment from origin. **RHUBARB** continues to attract attention on account of the very limited supplies that are available and prices are inclined to improve for all grades.

**ALOES**.—Cape: a fresh arrival of twenty-five boxes was available of fair hard bright quality, and retired at 52s. 6d. per cwt. Curaçao: Forty boxes, consisting of good bright black to fair darkish liver, were limited at from 110s. to 120s. per cwt. Supplies are far from plentiful. Socotrine, seventeen cases were withdrawn, at from 60s. to 100s. per cwt., according to quality.

**ANNATTO SEED**.—Continues steady and fair Jamaica seed was held for 4d., and good Madras retired at 3½d. per lb.

**ARECA NUTS**.—A parcel of ten bags of fair Ceylon was bought in at 18s. 6d. per cwt.

**BALSAM**.—*Tolu*: Nothing offered in catalogues, but market firmer from origin; privately up to 1s. 6d. is wanted for fair quality. *Copaiba*: a parcel of five cases of fair average quality slightly cloudy retired at 1s. per lb.

**BENZOIN**.—Sumatra was very steady and good almondy block was available at from £6 to £6 15s.; ordinary, £5 to £5 10s.; good thirds, 90s. to 95s. per cwt. Siam; supplies continue in small compass and very little bold almonds are procurable. For good bean and pea size £22 is wanted; small peas sold at £20; grains available at £17, all of good bouquet.

**BUCHU**.—Commanded a good deal of attention and there was active buying at the recently reduced level of prices. It is difficult to forecast the future tendency, and although prices have declined on account of the new crop, it continues difficult to obtain offers from the primary source. In auction fair green rounds sold at from 1s. 3d. to 1s. 4d. Ovals of really fine colour sold readily at 1s. 2d., fair, part stalky, being held at 1s. 1d. per lb.

Shipments from the Cape for 1935 totalled 252,405 lb., valued at Waarde 10,106, compared with 174,820 lb., valued at Waarde 5,256 in 1934.

**CASCARILLA BARK**.—Altogether twenty-nine packages were on offer; fair quill being retired at 1s. 6d. to 1s. 9d., as to quality, and siftings at 1s. 4d. per lb.

**CASSIA FISTULA**.—Is in small supply, and a new arrival was catalogued, consisting of fair Indian fruit, which was held at from 27s. 6d. to 32s. 6d. per cwt.

**CHAMOMILES**.—A parcel of ten bales of fair flowers, a little dull, was retired at 125s. per cwt., duty paid.

**DERRIS ROOT**.—Two parcels were offered and retired at 1s. 5d. per lb. for 18.8 per cent. ether extract, and 1s. 3d. per lb. for 15.4 per cent.

**DRAGONS BLOOD**.—Continues steady: fair to good reboiled, £23 10s. to £24; medium ditto, £21 to £22 per cwt. A fair business is reported privately for all grades.

**ERGOT**.—Rather a quiet market with an easier tendency prevailing. Nothing was sold "under the hammer."

**EUCALYPTUS OIL**.—A parcel of eight cases was not up in time for auction. This market is definitely firm and offers from origin are difficult to obtain.

**GAMBOGE**.—Fair Siam pipe was in better demand, and two lots were sold at £13 10s. per cwt., duty paid. A good business has been done in this article of late.

**GUAIACUM**.—Offerings met with a better demand, and fair glassy block was sold at 1s. 2d.; ditto, slightly drossy, at 10d., and rather rough at 8d. per lb.

**GUM ACACIA**.—Still remains a difficult market and prices vary from day to day, according to the arrivals at origin from the collecting stations. On the spot good cleaned Kordofan sorts available at about 42s. per cwt. In auction only bleached sorts were offered and retired at from 115s. to 120s. per cwt.

**HONEY**.—Offerings were rather neglected in sale, but several lots of Jamaica had been disposed of prior to the auction. Prices for Jamaica range from 30s. to 41s. for dark to fine pale liquid. Mexican was held for 28s. in bond, and Haiti, of bright reddish brown set, at 25s. per cwt., "in bond."

**IPECACUANHA**.—Only a single bale was available and held for 5s. 6d. per lb. A steady business is passing privately at this figure.

**MYRRH**.—Offerings were on the small scale. Fair Aden sorts were available at from £6 10s. to £6 12s. 6d., duty paid; dark pickings at 70s., and dust at 35s. per cwt., "in bond."

**OLIBANUM**.—Eight cases of really good white drop were held for 82s. 6d. per cwt., "in bond."

**ORANGE PEEL**.—Darkish thin-cut Tripoli was on offer at 1s. 2d. to 1s. 3d., and very dark at 1s. 1d. per lb.

**RHUBARB**.—Continues very firm and supplies are now extremely short in view of the home demand and the lack of fresh importations from origin. In auction only a few cases of Shensi were available, comprising the entire stock, and were held for 4s. 6d., several slightly lower bids being refused. Canton: there is still nothing available. High Dried, flat, horny coated retired at 1s. 8d. to 1s. 9d.; rough round at 1s. 6d. to 1s. 7d. per lb., according to quality. All these prices are duty paid.

**SARSAPARILLA**.—Practically no interest was displayed. Native Jamaica was offered at 10½d. for reddish mixed colours, six bales of grey Jamaica retired at 1s. 3d.; Honduras, 17 serons were limited at 1s. 8d. to 1s. 9d.; seven bales of Guayaquil were withdrawn at 10d. per lb.

**SENNA**.—Continues steady and apart from a few bales of Tinnevely pods and leaves, which sold "without reserve," there was little included in the catalogues. Alexandrian hand-picked pods: a parcel of fair colour pods was sold at 2s. 4d., while another lot of really fine green bold selected pods was held for 5s. 6d. per lb.

**SIROPHANTHUS SEEDS**.—Two parcels of 100 per cent. Kombé were limited at from 3s. 4½d. to 3s. 6d. per lb., as to seller.

**TAMARINDS**.—Two parcels of inferior quality were available. Siam was held for 11s. per cwt., "in bond," and Barbados very black soft retired at 25s. per cwt., duty paid.

It is reported supplies have been scarce for some months past. Owing to the destruction of trees and the damage to crops, supplies may again be short both of Barbados and Antigua qualities, possibly a good deal less than last season's shipments. The first arrivals of these two qualities are expected to reach London during this next week. Calcutta quality are also unobtainable on spot, but supplies are expected to arrive during the next three weeks.

**WAX**.—A parcel of sixty blocks Nyasaland was available and sold subject to confirmation at £5 12s. 6d. per cwt.

*The next drug auction will be held on Thursday, May 28, 1936.*

## London Drug Stocks

LONDON STOCKS at February 28, 1935, and February 29, 1936:—

Article	Quantity	Feb. 29, 1936	Feb. 28, 1935
Aloes ... ..	cwt.	120	390
Cascara Sagrada ... ..	tons	60	145
Bees' Wax ... ..	packages	2,298	2,002
Japanese Vegetable Wax ... ..	cases	369	214
Camphor ... ..	packages	473	456
Cardamoms ... ..	cwt.	442	650
Dragon's Blood ... ..	cases	171	111
Galls, China and Japan ... ..	cases	638	458
Gum Acacia ... ..	packages	11,409	5,838
Asafoetida ... ..	cwt.	408	253
Benzoïn ... ..	cwt.	849	708
Olibanum ... ..	packages	292	357
Tragacanth ... ..	packages	5,060	5,295
Ipecacuanha ... ..	cwt.	145	155
Nux Vomica ... ..	cwt.	475	562
Rhubarb ... ..	cwt.	160	421
Senna ... ..	bales	4,402	5,266
Shellac ... ..	cases	148,141	304,074
Turmeric, Bengal ... ..	tons	48	23
Turmeric, Madras, Cochin, etc. ... ..	tons	72	34
Sandaac ... ..	packages	5	4
Mastic ... ..	packages	179	89
Guaiacum ... ..	cwt.	130	139
Ammoniacum ... ..	packages	28	26



# Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Chemists' Friends Scheme

SIR,—After deep consideration and in great anxiety for the eventual well-being of the craft, I feel that the greatest possible good for pharmacy, not only in the near future but in the years to follow, would result from complete abandonment of the C.F. scheme in its present form and a transference of the activity, energy and ability for which that scheme is at present providing an outlet, to the manifest injustices to registered pharmacists, which may reasonably be attacked without injustice to anybody. The first matter which might receive attention is the exploitation of the pharmacists' qualification by the destamping process and the appropriation by the manufacturer of the whole or the major portion of the proceeds. The obviously equitable method would be for the N.P.U. and the P.A.T.A. jointly to agree to make it a rule that any destamped article shall have its wholesale price unstamped fixed at precisely the difference of the cost of the stamps less than the price of the corresponding stamped article. By negotiation a portion of that saving might be allocated to the manufacturer for increased advertising, with adequate safeguards to ensure the application for that purpose. The second point to be considered might be an intensive effort to stop, by co-operation with every district, the vending of unstamped packs by those not privileged to do so. A third is the inadequate margin of profit granted by certain notorious proprietaries; and if properly organised the support of wholesalers and traders other than chemists could be obtained. A fourth is the uneconomic method of some manufacturers in arranging their bonus terms in such a manner that, in order to obtain the best terms, unduly large parcels at too frequent intervals are offered. A fifth could be a nation-wide effort to create a panel system of distribution of foods, etc., for welfare centres on a basis which would leave the local authorities with no excuse whatever to continue their own distribution at a cost higher than it could be done by organised pharmacy. A sixth might be to admit traders other than pharmacists to an associate membership of a joint P.A.T.A. and pharmaceutical movement to pool anti-cutting activities. The grocery trade would undoubtedly react strongly to such a proposal, and pharmacy would lose nothing by it.—I am, etc.,

E. T. HAYBALL.

Grimsby.

SIR,—“Galenical,” in his letter on the Chemists' Friends scheme (*C. & D.*, March 21, p. 356), would seem to be somewhat contradictory in his general statements, or perhaps slightly mixed in his values of the rights and duties of pharmacists. To take his point that our rights only exist in our imagination; the State has delegated to us certain duties connected with dispensing medical prescriptions and retailing poisonous substances. For the safety of the public these functions should be performed by qualified persons; in spite of this our professional work does not pay and we have become fourth-rate tradesmen. So far from being a reflection on pharmacists and their methods of trading, which they have been forced to adopt under economic pressure, his remarks taken as a whole form a serious indictment of legislation relating to pharmacy, and are a proof that neither the pharmacist nor the public is getting a fair deal from the State. If pharmacists have statutory duties in regard to dispensing and retailing, then, surely, the right to perform them should not be permitted to unqualified persons, but should be secured to those on the Register. Our complaint is that in practice they are not, and therefore the function of the qualification as a safeguard to the purchaser becomes almost useless. Apart from any consideration of qualification, the argument in favour of the Chemists' Friends scheme is not so much about the rights of other traders to sell “groceries,” but about the policy of those manufacturers who use the pharmacist to introduce their packed proprietary remedies to the public and then, having secured a market through his connexion with his customers, deliberately persuade unqualified traders to enter into competition with him. The method of combination and collective bargaining is adopted by all classes and is a recognised part of our economic system;

why should pharmacists be deemed spoon-fed, when they attempt to follow the example of the majority? And why complain of being sellers of packed goods and proprietaries if these pay the rent, when professional work does not? Even the doctors have fallen under the spell of the wholesale manufacturer. When proprietary medicines to prescription are handed over the counter in original packings and charged at face value, there is little more art in dispensing than in retailing. Can “Galenical” give us any concrete proposals on methods to carry on a pharmacy on a profitable basis without overlapping into other trades?—Faithfully yours,

RIGHTS OR WRONGS (23/3).

## The Stamps that were Passed On

SIR,—In the many letters which are appearing with regard to the Chemists' Friends scheme and the destamping of so-called patent medicines, little or no credit is being accorded to the manufacturers who did pass on all the saving to the retailer as well as to the public, when destamping their products. If any of your readers care to turn up old copies of the P.A.T.A. List, they will find that the original stamped Vinolia Medicated Cream was protected at 1s. 3d. and 2s. 3d. with minimum wholesale prices of 11s. 3d. and 20s. per doz. respectively. To-day the P.A.T.A. List records that the same destamped sizes retail at 1s. and 1s. 9d. and are listed by the wholesalers at 8s. 3d. and 14s. per doz. respectively.

Yours faithfully,

VINOLIA CO., LTD.

Bebington.

## Council Election

SIR,—In your admirable editorial on Mr. Dick's address at Birkenhead, both of which I am sincerely in sympathy with, you stress the point that the cost of contesting an election is greater than the majority of chemists can afford. This is an expression of opinion that I am not convinced about, and is one of the reasons why I am standing for election. I hold that if a pharmacist has had (a) much local branch or association service, (b) a long experience as delegate at Conferences, (c) a notable record of working for the advancement of pharmacy and training of apprentices, then he should be well known enough throughout the country to have a fair chance of securing election on the P.S. Council without spending from £50 to £100 upon advertising. At any rate, I am standing as a “one-man, one-shop” working pharmacist who is prepared to spend some of his hard-earned savings in getting a locum monthly if elected, and I do not propose spending above £5 in advertising. If successful, then there will be no excuse for similarly placed pharmacists not to come forward in the future, for I would publish exactly what this election had cost me.

Yours faithfully,

H. M. HIRST.

Newby, Scarborough.

## The Council and the Members

SIR,—Your leader (*C. & D.*, March 21, p. 345) is timely, and is, as usual, to the point. The spectacle of our worthy councillors proceeding cap in hand to the Home Office is thoroughly amusing, yet withal characteristic. But the absence of the Home Secretary was significant. The atmosphere is now cloudy with disseminated whitewash over a sorry business, but pharmacists are not wholly blind to the tactics of the Council. The door had been securely fastened beforehand, and the Society made fat in finances, if not in authority. Some members of Council have been saying recently “We have done our best and failed,” and accordingly the visit to Whitehall is treated as lending colour to the statement. And so, to come to “brass tacks,” pharmacy, we are told, is going to be no better this year or next year; also the Charter cannot be altered, and no further Act is in contemplation. We learn from a certain ex-president that a better type of man is entering pharmacy, and that the credit for this redounds to the Society. How thrilled chemists must be with the com-



placent cynicism of this statement! May I ask if the self-respecting youth with a professional bent, and the means, would enter pharmacy? Tremendously long hours, with savage competition, a miserable social status, panel drudgery will await him, narrow his outlook and cramp his mind. Yet he will be the member of a rich Society; and being an "authorised seller of poisons" he must further help the contribution to the tune of £600 per annum for each inspector appointed. He will be the local laughing-stock of the grocer and the animal-medicine manufacturer who will use their errand-boys as deputies. This by no means completes the humiliation of being a member of the Pharmaceutical Society. How true the saying is—"one-half the world knows not how the other half lives," and the Council has taken from Peter to pay Paul. Whitehall had better swallow Bloomsbury whole—it would not be missed, anyway.—I am, etc.,

A. S. O. P. (24/3).

### A Militant Union

SIR,—Assuming that the absence of comment on my letter in your issue of March 14 indicates complete indifference, the grumbling still continues. In advocating this union there is no suggestion of a new organisation: as one of the oldest members of the C.D.A., P.A.T.A. and N.P.U.—all of which must be united, wholesale and retail—I am satisfied that the necessary machinery already exists, funds only being missing. One can fancy men saying "What? more subscriptions—not likely!" If a £5 subscription (£100,000 a year) is not considered enough for success, though a poor man I will offer a £10 one (to start an income of £200,000). We often hear it said that most men "have a little bit on": suppose—for a change, and as means to an end—we pharmacists had "a little bit off" our motors, golf, radio, beer, tobacco, pictures and social activities generally. There would be no difficulty in finding 2s. or 4s. a week. I fail to understand the mentality of people who grouse all day and every day, and make no attempt to improve their conditions. I verily believe that if authority ordered pharmacy to disinfect the nation's pigsties—for health's sake—with a promise (probably discounted) of an additional 0.000d. extra, towards overhead expenses, the average pharmacist would do it—and merely grumble. I have every reason to know that the men who handle the panel accounts say among themselves, "What fools these chemists are to their own interests: have they no organisation?" Again, even at the risk of egotism, may I emphasise: It is "now or never."—Yours faithfully,

SPES (24/3).

### Prescribing and Dispensing

SIR,—Your remarks on "The Decadence of Prescribing" (*C. & D.*, March 14, p. 315) should be regarded as a veritable "lighthouse" by the British pharmacist; particularly bearing in mind that the desire to separate, absolutely, prescribing and dispensing is still voiced by some of the conventionals. It seems inferential that British prescribing is degenerating, too, though in a different manner. I scarcely think I am likely to be contradicted when I suggest that 95 per cent. of the prescribing in Great Britain is panel prescribing; and while that prescribing should be of the very first order, there is no evidence that it is. Most of the panel prescriptions that I get to dispense might be considered automatic, in that they are invariably extracted from the National Formulary; and very rarely modified. It might reasonably be assumed that these formulas are the very best general formulas that could be established. If that assumption is correct, it should logically be assumed that most pharmacists use these same formulas for their own proprietaries. But do they? I very much doubt it. I myself have a modest collection of forty-five proprietaries established to deal with the common ills of life, which, after all, are what the average medical practitioner is called upon to treat: but I certainly do not include any from the N.F. among them, on the basis that I do not think the N.F. good enough. Given the N.F. and an assured income, the average general practitioner has become slovenly. He or she does not seem to take the trouble to find out what is the real cause of the complaint, otherwise they would not prescribe *mist. tussi nig.* for a relaxed uvula, as many of them do. . . . Having dealt with the section that is considered by the conventionals as solely competent to prescribe, let me deal with the side that is considered by the conventionals as solely competent to dispense. . . . But why assume that pharmacists are only

competent to dispense? We know it is anything but true. We know that the sales of our own proprietaries indicate prescribing; and the increase in sales of such proprietaries proves the value of such prescribing. . . . If the conventionals get their way and it is made illegal for a pharmacist to prescribe and the doctor to dispense, the sole benefit to be derived by the community will be in the direction of reasonably accurate dispensing—though no dispensing can be considered reasonably accurate while the wrong dose, with a 100 per cent. limit of error, is indicated on the bottle. But what about the poor victim, the sick person? The enormous sales of advertised nostrums, the equal sales of the pharmacists' own proprietaries, do not seem to indicate any wonderful faith in the doctors' prescribing abilities; yet the contention continues to be made that doctors alone are the fit and proper persons to deal with matters of ill health. . . . What about the pharmacist? Is he too to be sacrificed to this absurd superiority complex? He surely will be sooner or later unless he sits up and contends loud and long for the right to exercise his ability. Is he always to be content with the kitchen side of the medical business? The N.H.I. Act was claimed as a start in getting the pharmacist "recognised." . . . America has shown that the prescribing business has become easy and automatic. Britain is showing the same thing with regard to the N.H.I. business, so now is a suitable time for the pharmacist to claim and demand the right to exercise whatever abilities he may possess, not excluding the right to prescribe; and he must claim the right to be judged by results rather than by twelve inches of rule and regulation.—Yours, etc.,

GEORGE F. CORRALL.

Enfield Wash.

## Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

### *In an Old-fashioned Chemist's Shop*

Passing through glass-panelled door  
You cross the highly polished floor.  
The chemist, writing at his books,  
Over gold-rimmed glasses looks.  
Clad in sombre, neat attire,  
Politely asks what you require.  
Disappearing then from view  
He leaves the quiet shop to you.  
Along the back of this old shop  
Are drawers and shelves from floor to top.  
All the drawers bear names in gold,  
Polished bright, but very old.

The chemist, hid behind a screen,  
Works at his mysteries unseen,  
With measure held against the light  
To see that he decants aright.

He then returns with package sealed,  
Mysterious contents safe concealed.  
Then going out with sense of awe,  
Respectfully you close the door.

Robert E. George, Walsall.

### *The Sale of Part II Poisons*

By the recent legislation it has been admitted that there is a legitimate public demand for Part II poisons, and that this public demand should be met, so there is no reason why pharmacists should not take every opportunity to meet it. We have heard a good deal about collective advertising for pharmacy; why should not something of the kind be done with regard to Part II poisons? Here there is no abstract idea to advertise, which the public may take little or no notice of, but actual goods. If it is admissible for borough councillors to advertise for more sellers, then it is equally right for chemists to advertise for more sales. Taking a hint from such efforts as rat week and pharmacy week, I suggest that chemists organise a week before May 1 during which, by local collective advertisements and by connected displays, they should intimate to the public that all their requirements in this matter can be met by the pharmacists at the same cost and more efficiently than by unqualified dealers.—*It Pays* (16/3).



## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*W. & C.* (24/81).—BATTERY ELECTROLYTE.—The electrolyte for a nickel-iron battery; this consists of a 21 per cent. solution of potassium hydroxide in distilled water, the s.g. being 1.19.

*C. & C.* (16/36).—HAIR-SETTING POWDERS.—Formulas for hair-setting powders are as follows:—

I				
Borax ...	...	...	...	2 oz.
Castor sugar ...	...	...	...	1½ oz.
Tragacanth ...	...	...	...	½ oz.

Use one level teaspoonful to a cupful of hot water for each operation.

II				
Sodium carbonate ...	...	...	...	750 gm.
Powdered acacia ...	...	...	...	240 gm.
Perfume ...	...	...	...	a sufficiency

A small dessertspoonful to be dissolved in a cupful of hot water and sprinkled on the hair before curling.

*T. B.* (16/36).—CAMPHORATED OIL.—The methods of making camphor liniment were investigated by the late Mr. Robert Wright, who presented a paper on the subject at the British Pharmaceutical Conference of 1902. We are doubtful of the propriety of warming the oil to 160° F. as recommended by him, on account of the volatility of camphor. If the camphor in flowers is sifted through a coarse sieve into the oil and well shaken, the general experience is that it dissolves without much delay.

*J. D.* (18/24).—CALCIUM IN MILK FEVER.—Calcium gluconate is occasionally given as a prophylactic to an animal known to suffer from milk fever, but administered orally in a case suffering from the complaint, the animal would be dead before the calcium could enter the blood stream. Treatment should commence some considerable time before calving. Given so far ahead of parturition, it would not make much difference whether chloride, gluconate or lactate were administered, and we suggest you should use the one which seems most suitable for the preparation you have in mind, i.e., from a pharmaceutical point of view. It has been suggested that more intensive feeding on well-balanced foods before calving is likely to prevent the onset of milk fever by providing in advance the storage of the calcium salts and other bodies likely to be diminished by heavy milking after calving. Owing to the close relationship between vitamins and calcium, when supplying your calcium preparation, it would be advisable to recommend a diet containing the accessory food factors. In fact, it might be possible to combine your calcium preparation with a vitamin product.

*W. M. V.* (6/36).—The following description of the armorial bearings of the Pharmaceutical Society appears in the *C. & D.*, 1900, II, 670:—Or, on a cross gules, between a dove holding in the mouth an olive-branch in the first quarter, an aloe in the second, a staff erect entwined by a serpent in the third, and an alembic and receiver in the fourth, all proper; a pair of scales of the first; on a chief azure, a stag lodged, also of the first. The crest is "on a wreath of the colours a pestle and mortar, or." Avicenna representing pharmacy in Arabia is figured on the left, holding in his hand the staff of Æsculapius, whilst Galen is on the right, with a pair of scales in his hand. The motto, "Habenda ratio valetudinis," is best translated "Having a regard for health." We should add that the illustration given is a combination of the Society's arms and crest with the diploma designed by Mr. H. P. Briggs, R.A., in 1841, and granted to pharmaceutical chemists. The wreath of medicinal flowers—poppy, digitalis, belladonna, hyoscyamus, taraxacum, roses, rhubarb, senna, scammony, jalap, acacia, laurus camphora, and the pine—which Avicenna is pointing to is part of the ornamentation of the diploma. The pedestal is also a part of the diploma, the bas-relief representing an alchemist in his laboratory, the symbols at each corner being (beginning at the left-hand side) air, silver, antimony, and aqua regia. The recesses on each side of the bas-relief contain apparatus emblematical of chemistry.

*D. J. B.* (10/38).—COLOURS FOR BATH SALTS.—For this purpose aniline dyes are generally employed, as the vegetable ones are easily affected, those in general use being as follows:—*Red*: neutral red, eosine (mordant, separately with alum or tannin); *Pink*: eosine, erythrosine, safranin; *Orange*: chrysoidine; *Yellow*: tartrazine, auramine; *Green*: naphthol green; *Violet*: Hofmann's violet; *Heliotrope*: phenol red; *Blue*: patent blue. On borax crystals an excellent *Mauve* can be obtained by an aqueous solution of mauve 57,160; in fact, aqueous solutions of dyes appear to be preferable to the alcoholic solutions. With the latter it is best to fix them by dissolving in a 1-per-cent. solution of yellow resin. The dye solution can be sprayed on the crystals or they can be immersed in a coloured saturated solution of the crystal. Drying is conducted either by exposure to the air or by a hydro-extractor.

*S. T.* (16/38).—ARECOLINE FOR A DOG.—The dose of arecoline hydrobromide given orally to a dog is from ½ grain to 1 grain. No purgative is necessary. It is unsafe for puppies before the age of six months, and it is contra-indicated in incipient distemper and catarrhal enteritis.

*A. H. C.* (6/36).—MENTHOLISED COUGH MIXTURE.—The following is the formula for which you ask:—

Liquorice...	...	...	...	16 oz.
Chloroform ...	...	...	...	3 oz.
Ether ...	...	...	...	3 dr.
Oil of anise ...	...	...	...	3 dr.
Menthol ...	...	...	...	2 dr.
Oil of peppermint ...	...	...	...	1 dr.
Tincture of capsicum ...	...	...	...	1 oz.
Glycerin ...	...	...	...	12 oz.
Oxymel of squill ...	...	...	...	90 oz.
Treacle ...	...	...	...	120 oz.
Water ...	...	...	...	to 2 gall.

*R. W.* (6/36).—POLISHING CLOTHS.—Polishing cloths are made by dipping pieces of material into one of the following mixtures and removing the excess of liquid by pressure:—

(1) Whiting ...	...	...	...	8 oz.
Benzin ...	...	...	...	32 oz.
Oleic acid ...	...	...	...	1 oz.
(2) Hard soap ...	...	...	...	2 oz.
Jewellers' rouge ...	...	...	...	1 oz.
Water ...	...	...	...	10 oz.

Pumice powder, tripoli, finely powdered emery or kieselguhr may be used in the place of jewellers' rouge.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," March 27, 1886

### Shop Hours Bill

The Bill to limit the hours of shop labour, which the House of Commons has referred to a Select Committee, and which is now under consideration, is a well-meant attempt to bring about a happier state of existence for a class of young persons who have been perhaps too much neglected by philanthropists and politicians. . . . The original purpose of the Bill was to make it illegal for any employer to keep a young person, either a girl or a boy under the age of eighteen years, at work in a shop or warehouse for longer than twelve hours in any one day, and is one we should gladly see enforced by law if it can be done. There are some obvious difficulties in the way of carrying out any such Act, but we doubt if these are insuperable. . . . A serious effect of the Bill, if made law in its original form, might be that all the best shops would refuse to employ assistants under eighteen rather than be subject to the annoyance of official inspection. . . . But a proposal has lately been made, and, it was said, had been accepted by the promoters of the Bill, the effect of which would be to enable two-thirds of the shopkeepers of a town to enforce something like early closing on their unwilling neighbours.



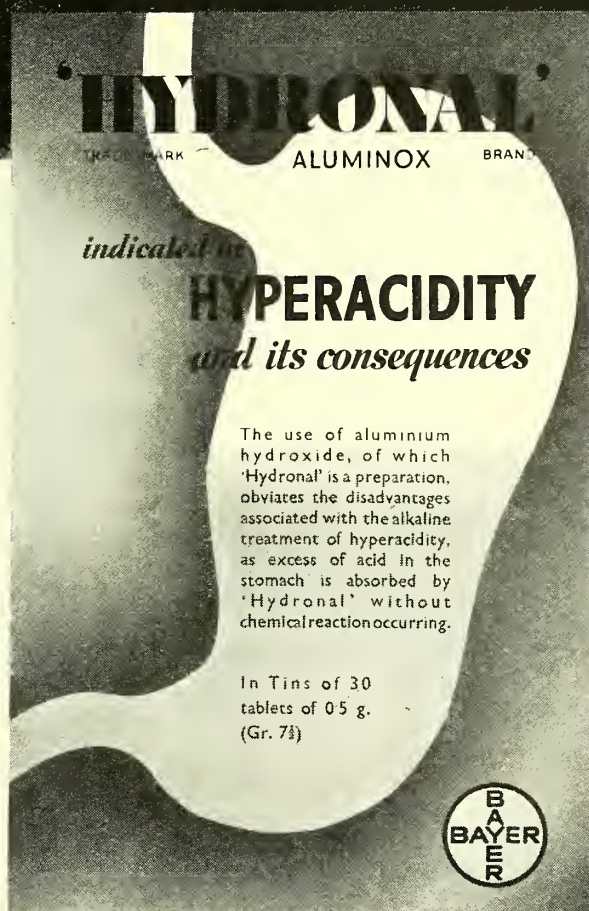
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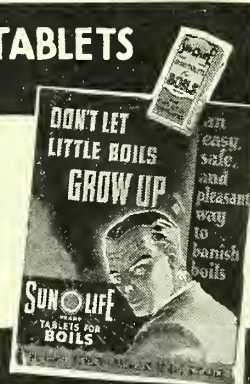
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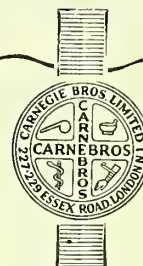
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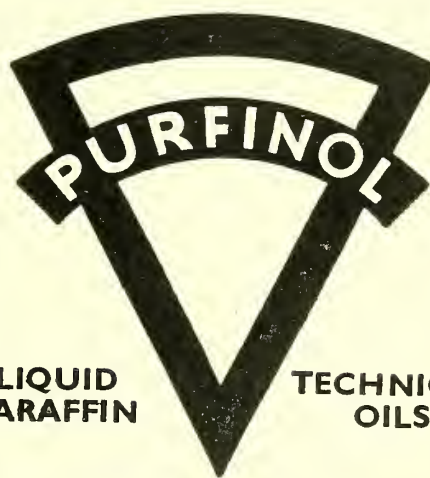
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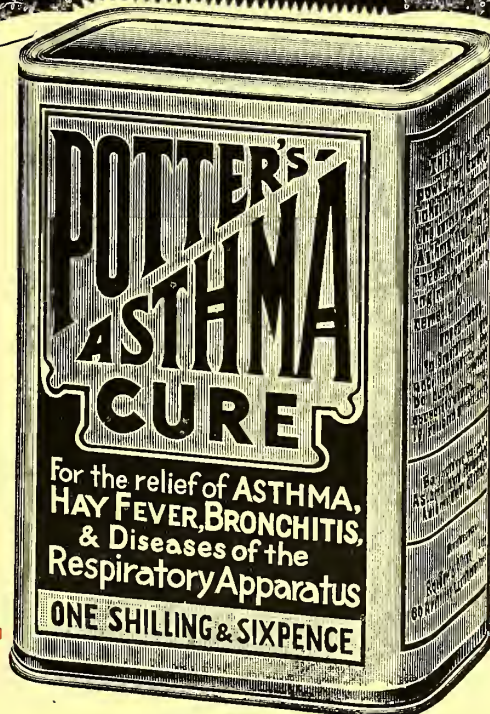
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HARDWICK HOUSE, 161/5 ROSEBERY AVENUE, LONDON, E.C.1



This year's **Finest Price for**  
*Guaranteed* **COD LIVER OIL**  
**100%**

WHOLESALE

for **25 gall. tin-lined BARREL**

( FREE BARREL AND FREE DELIVERY )

of

**SOL-VIT-AX** BRAND  
**MEDICINAL COD-LIVER OIL**



**BRITISH COD  
 LIVER OIL  
 PRODUCERS  
 (Hull) LTD.**

St. Andrew's Dock  
 Hull, England

Telephone: HULL 37759  
 Telegrams:  
 "Vitamins, Hull."

- Every delivery of "Sol-vit-ax" Brand is *fully guaranteed*. You cannot rely on a mere certificate of periodical analysis. It can only apply to the one or two samples tested and not to bulk deliveries.
- "Sol-vit-ax" Brand has a guaranteed *minimum* content of 1,000 International Units per gramme of Vitamin A and 100 International Units per gramme of Vitamin D.
- International Units are the *only* Units accepted as reliable by the International Vitamin Conference.
- "Sol-vit-ax" is practically tasteless and odourless.
- The price is exceptionally favourable because "Sol-vit-ax" is an All-British Oil, produced in the largest and most up-to-date Cod Liver Oil Refinery in the World.

**PLACE YOUR CONTRACT TO-DAY**

★ Retailers should obtain prices  
 from their usual Wholesaler



# URALYSOL

THYMINIC ACID - HEXAMETHYLENE - TETRAMINE - LYSIDIN



## Treatment

★ OF THE  
**RHEUMATIC  
DIATHESIS**  
• IN GRANULES •

CONTINENTAL LABORATORIES LTD.  
30, MARSHAM ST. LONDON, S.W.1.

Taxolabs, Sowest, London.

Victoria 2041.

**PARAFFINUM  
LIQUIDUM  
B.P.**  
HIGH  
VISCOSITY

**TECHNICAL  
WHITE  
and  
HALFWHITE  
OILS**

**WHITE  
PETROLEUM  
JELLY**  
PHARMACEUTICAL  
AND  
TECHNICAL  
Qualities

# HOLROYD'S

OIL & CERESINE COMPANY LIMITED

3 NEW LONDON ST., LONDON, E.C.3.

TELEPHONE: ROYAL 5126-7

TELEGRAMS: EKKIKOLROY, FEN, LONDON.



# *and NOW* **'DETTOLIN'** BRAND **MOUTHWASH & GARGLE**

A pleasant but highly efficient preparation for the mouth and throat. Now being introduced to the medical and dental profession.

## **DIRECTIONS** *'DETTOLIN' is a concentrated antiseptic for use as follows:—*

As a mouthwash night and morning, as a gargle as often as required, or as a pleasant dentifrice for children, half fill the cap of the bottle and add to half a tumbler of water.

For the prevention or treatment of sore throats, laryngitis, tonsillitis, influenza, bad breath and septic gums, fill the cap of the bottle, add to half a tumbler of water, and stir.

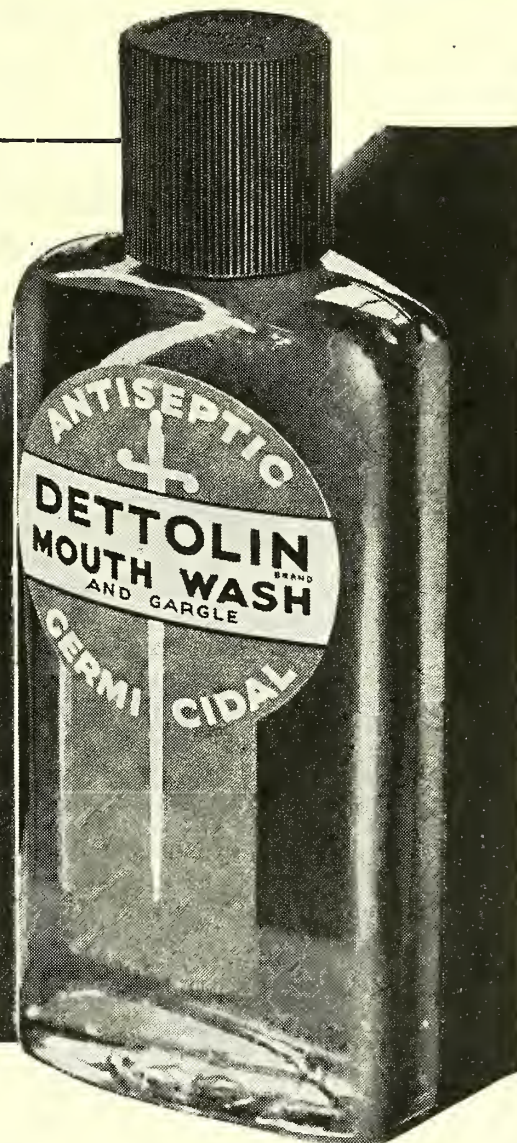
For more aggravated conditions of the mouth and gums, see booklet.

The germicidal efficiency of 'Dettolin' equals that of a 50% solution of pure carbolic acid (by the Rideal-Walker test).

**FORMULA:** *Dimethyl Chlor Phenyl Hydrate 1.02% Menthol 0.12% Sapo Vegetalis 0.5% Tinct. Roseum Aromatica 64.9% Elixir Glusidi B.P.C. 6.0% Aqua, dest. ad 100 vols.*

'DETTOLIN' contains the active germicidal principle of 'Dettol' Brand Antiseptic

# 1/6





# PHOSPHO-SODA (Fleet)

## SALINE APERIENT—BILIARY STIMULANT

An ethical pharmaceutical product for which an extensive propaganda is being conducted with the Medical Profession

		Retail	Wholesale	
Bottles of 2½ fl. oz.	-	1/6	13/6	per doz.
„ „ 6 fl. oz.	-	3/-	27/-	„
„ „ 16 fl. oz.	-	6/-	54/-	„

Your co-operation in promptly obtaining supplies when required will be appreciated

**THE ANGLO-FRENCH DRUG CO. LTD.,**  
**11-12 Guilford Street, LONDON, W.C.1**

*Pharmaceutical*

# CASTOR PREMIER

# OIL

Tasteless  
Water-White

Made in England by

**THE PREMIER OIL  
EXTRACTING MILLS**  
HULL Ltd.

Telegrams: "Premier, Hull"

Telephone: 15191 (8 lines)

## FOUND..

*a remarkable antiseptic*

### DEADLY to GERMS .. yet NON-POISONOUS

The Rideal-Walker test proves 'DETTOL' to be three times more efficient than phenol, or half as strong again as B.P. solutions of cresols with soap. Properties which permit its use at effective strengths (for dilutions see directions) also give 'DETTOL' a marked superiority over carbolic and cresylic antiseptics.

'DETTOL'—most attractive in appearance and packing—sells at a reasonable price—4 ozs. for 1/- and 16 ozs. for 3/- and larger sizes for medical and hospital use.



# 'DETTOL'

TRADE MARK

## THE MODERN ANTISEPTIC

RECKITT & SONS LTD. (PHARMACEUTICAL DEPT.), HULL  
LONDON: 40 BEDFORD SQ., W.C.1



# 32,000,000 WINDOWS TO YOUR SHOP



Large space 'ASPRO' advertisements are carried several times monthly by over 300 newspapers, with a total circulation of more than 32,000,000. They act as 32,000,000 effective windows for retailers who connect up by showing 'ASPRO' displays. To get the benefit of this stupendous advertising, as if you paid for it yourself, show 'ASPRO' display material prominently in your windows. People will come into your shop who would not otherwise have come. You will gain by increasing your sales of other lines in addition to 'ASPRO' sales. New designs for 'ASPRO' Window Displays are produced at frequent intervals. A typical display is illustrated herewith. Remember 'ASPRO' sales are continuous.

## SEND NOW FOR NEW 'ASPRO' DISPLAY MATERIAL



'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority. No proprietary right is claimed in the method of manufacture or the formula.

Made in England by ASPRO LTD.  
Slough, Bucks. Phone: SLOUGH 608

**ASPRO**  
REG. TRADE MARK



**"CLARKES"**  
Brand  
World-famed Blood-purifying Medicine  
**"BLOOD MIXTURE"**  
Registered Trade Mark  
UNSTAMPED, FOR SALE BY CHEMISTS ONLY

**P.A.T.A. PRICES****"CLARKES" Brand BLOOD MIXTURE**  
(Liquid and Tablets)

Retail 3/-. 3 doz. lots £4-4-0 less  $3\frac{3}{4}\%$  one month  
12 " " £16-16-0 "  $8\frac{3}{4}\%$  " "  
CARRIAGE PAID PACKING FREE

**ASSORTED ORDERS**

<b>"CLARKES" Brand</b>			Retail	Per Doz.
<b>"BLOOD MIXTURE" (Liquid)</b>			1/9	16/4
"	"	"	3/-	28/-
"	"	"	12/-	112/-
<b>"BLOOD MIXTURE" (Tablets)</b>			1/9	16/4
"	"	"	3/-	28/-
"	"	"	5/-	46/8
SKIN LOTION	...	...	1/3	11/8
SALVE	...	...	1/3	11/8
"	...	...	3/-	28/-
"	...	...	5/-	46/8
APERIENT PILLS	...	...	1/3	11/8
"	...	...	3/-	28/-
<b>MEDICATED SOAP</b>				Doz. Tablets
Box 3 Tablets	...	...	2/6	7/10
Single Tablets	...	...	1/-	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows:—

£4 - 4 - 0 less  $3\frac{3}{4}\%$  one month

£16 - 16 - 0 "  $8\frac{3}{4}\%$  " "

CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses

**The Lincoln & Midland Counties Drug  
COMPANY, LIMITED**

**PARK STREET, LINCOLN**

Telegrams: "Lindum, Lincoln" Telephone: Lincoln 55

*A New*

**2/6d. THROAT  
AND NASAL  
ATOMISER**

*for Light Oily or  
Aqueous Solutions*

Mounts made from Solid  
turned Brass Rod, not  
a sheet-metal stamping.

Heavily Nickelled.  
Fully Guaranteed.  
Directions in each box.  
Attractively packed.



MEDICO NO. 1050.

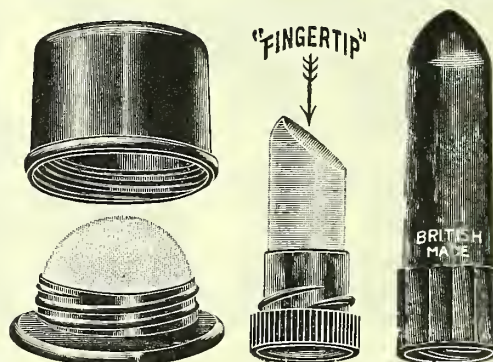
**BRITISH MADE**

SOLD EXCLUSIVELY THROUGH THE WHOLESALE TRADE

*Obtainable through your usual Wholesaler*

**WELTEN LTD.**

6-7 CHAPEL ST., MILTON ST., LONDON, E.C.2



**MENTHOL IS DEARER**  
**ARE YOU BUYING YOUR  
CONES AT THE RIGHT PRICES?**

**36 STOCK SIZES IN BOXWOOD,  
METAL AND BAKELITE HOLDERS**

*Ask for Illustrations and Prices*

**M. J. FECHER, LTD.**

**10 DOD ST., LIMEHOUSE, LONDON, E.14**

Established 1891

Telephone: EAST 3228



***"I like selling the 19/9 Sanatogen. We have too few lines like it in Pharmacy"***

We are frequently being told this by Chemists up and down the country.

**ARE YOU SELLING THE BIGGER SIZES?**

The 5/9d. size of Sanatogen contains double quantity of 3/3d. Saving 9d.

„ 10/9d. „ „ „ „ four times „ „ 3/3d. „ 2/3d.

„ 19/9d. „ „ „ „ over ten times „ „ 3/3d. „ 13/-



**SELL BIGGER SIZES**

The image shows three Sanatogen products: a large glass jar on the left, a rectangular box in the center, and a white plastic mixer on the right. The jar and box labels provide detailed information about the product and its manufacturer, Genatosan Limited.

**Sanatogen**  
The Tonic Food-Remedy for Nervous and Bodily Weakness.  
Price 10/9  
For Sale in United Kingdom only  
Special Packing supplied for Export  
To be kept in a dry place, free from odours  
Manufactured at our Works at Loughborough, Leicestershire

**Sanatogen**  
The Tonic Food-Remedy for Nervous and Bodily Weakness.  
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To be kept in a dry place, free from odours  
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Price 10/9  
For Sale in United Kingdom only  
Special Packing supplied for Export  
To be kept in a dry place, free from odours  
Manufactured at our Works at Loughborough, Leicestershire

**ARE YOU USING THIS OFFER  
TO SELL BIGGER SIZES?**



The mixer is made of polloplas finished in a lovely milk-white colour that will appeal to the most fastidious user and holds approximately half a pint.

**FREE OFFER:** Until one month from the date of this Journal, one only of the above mixers may be obtained free of charge by any chemist who applies, mentioning this Journal, to:

**GENATOSAN LIMITED, LOUGHBOROUGH, LEICS.**

A post-card offering one of these beautiful  
Sanatogen mixers  
★  
free is packed in 10/9  
and 19/9 sizes only.



# W.B. DICK & CO. LTD



**PARAFFINUM LIQUIDUM B.P.**  
ALL SPECIFIC GRAVITIES GUARANTEED TO REMAIN BRIGHT AT 0°C

**B.P. WHITE & YELLOW PETROLEUM JELLIES**

**WHITE AND HALF WHITE OILS**

SEND FOR SAMPLES AND QUOTATIONS (WHOLESALE ONLY)

26 GROSVENOR GARDENS, LONDON, S.W.1  
Telephone - - - - - Sloane 3461 (7 lines)  
Telegrams - - - - - "Dicolto, Phone, London."  
GLASGOW, LIVERPOOL, NEWCASTLE,  
CARDIFF AND NEW YORK.



**IN GREAT DEMAND  
"BARLOVA"**

The nourishing food-beverage  
"BARLOVA" is a delicious  
beverage prepared from  
the best Malt—Milk and  
Eggs

Retails in three sizes:—  
Price 6d., 1/3, and trial size 3d.  
Your wholesaler stocks, include a  
trial dozen with your next order, or  
write us to-day for trade samples.  
Ample advertising, printed literature  
and window display material available.

**NOBBY'S PRODUCTS LTD.**  
HYDE, CHESHIRE  
Phone: Hyde 329

## BARLOVA

**FOOD DRINK OF HEALTH**

### TRIBASIC PHOSPHATE of SODA

FREE RUNNING WHITE POWDER

Price and sample on application to:

**PERRY & HOPE LIMITED**  
NITSHILL - - - GLASGOW

*There is a regular and constant all-the-year-round demand for—*

Consistent advertising ensures steady sales. Counter literature gladly sent on request. Your usual wholesaler can supply, or you can order direct from the makers.

**HOBSON'S BLACK BEER &**

(Non-Intoxicating)

**BLACK BEER & RED WINE**

(Retails at 2/6)

**JOSEPH HOBSON & SON LTD, Regent Street, LEEDS, 2**  
Telephone: LEEDS 25270. Telegrams: "SPRUCE, LEEDS."

## DOLS'

**VOLATALISE  
FLANNEL**

THE WONDERFUL REMEDY  
for RHEUMATISM, NEURITIS,  
SCIATICA, LUMBAGO, etc.

Now is the time to look to your  
stock. Send for price list to  
**DOLS' VOLATALISE FLANNEL Ltd.**  
VIADUCT ST., HUDDERSFIELD

## MAWSON FILTERS

always give satisfaction. They eliminate all risk of water contamination. Simple in construction, they do their job efficiently at a minimum cost. They have a world-wide reputation. May we send you our descriptive list? Overseas enquiries specially invited.

The MAWSON FILTER Co., 20 Grainger St. W., Newcastle-on-Tyne



# WHY SELL LYSOL???

Do as other CHEMISTS — Sell a CHEMISTS' GERMICIDE.

**"NEM-CON" SURGICAL GERMICIDE. R.W. CO-EFF. 5.4**

**6<sup>D</sup>. BOTTLS. 3/6 DOZ. 10<sup>1</sup>/<sub>2</sub><sup>D</sup>. BOTTLS. 6/- DOZ. 1/6 BOTTLS. 10/- DOZ.**

PRICED DISPLAY STANDS. SHOWCARDS. BOOKLETS. ADVERTISING LEAFLETS. PROFESSIONAL CARDS AND SAMPLES FOR YOUR DOCTOR CLIENTS AND NURSING HOMES. GRANTED INSTITUTE OF HYGIENE CERTIFICATE

**THE MOST MODERN AND ATTRACTIVE PACK EVER OFFERED  
FOR CHEMISTS ONLY!!!**

OWN NAME AND ADDRESS PRINTED ON ALL ORDERS—

PROVINCIAL ORDERS £1 SENT CARRIAGE PAID

**J. M. SMITH & CO. (LONDON), LTD., Hampton Chemical Works, Arthur St., LONDON, S.E.15**

ESTABLISHED 1860

Also from MAY ROBERTS & CO., LTD., Clerkenwell, E.C.1

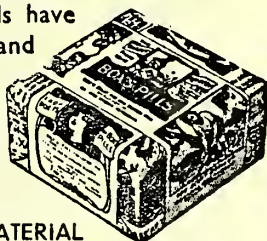
## EVERYWHERE



P.A.T.A. List  
1/3, 3/-, 5/-, 22/-  
Retail Prices

**-BOX'S  
Indigestion  
PILLS  
ARE IN DEMAND!**

For 40 years Box's Pills have been curing Indigestion and building sales — today Box's Pills are selling better than ever.



**FREE**

WINDOW DISPLAY MATERIAL  
WILL BRING THE BUSINESS IN  
Eye-catching display stands and showcards in full colour are available "by return" from the manufacturer. Supplies of Pills through your usual wholesaler or direct.

**W. H. BOX**  
161 KING ST., PLYMOUTH

## BARTON'S SUGAR FREE MILK

(CONCENTRATED)

**for DIABETICS**  
and  
**FOR SLIMMING**



An entirely NEW and non-competitive line. Contains all the food value and nourishment of full cream milk.

**ONLY THE MILK SUGAR HAS  
BEEN REMOVED**

Must not be confused with ordinary unsweetened condensed milk which contains much natural sugar

TRADE TERMS:

SAMPLE CASE CONTAINING 1 DOZ. TINS—9/- PER CASE

1 case (3 doz. tins)	-	27/-	per case
10 cases	-	25/-	" "
25 "	-	24/-	" "

**BARTON LABORATORIES**  
10-12 EXHIBITION RD., LONDON, S.W.7

PHONE: KEN. 6454



# KALMOPYRIN

Soluble • Non-toxic • Speedy  
effect • Safe for children  
Issued in Tablets and Powder

—CALCIUM ACETYL SALICYLATE—

## LIVER

1. Ext. Hepatis Liq., B.P. in 4 ozs., 16 ozs. and 80 ozs.
2. Ext. Hepatis Sicc., B.P. in phials of one dose
3. Ampoules for injection 2 cc. and 10 cc. in boxes of 6 upwards

## ETHYL CHLORIDE

—LOCAL &amp; GENERAL—

- In 2 packings:
1. "Universal" for Local and General
  2. "A.B." Anæsthetic Bag for General
- 30: 60: and 100 cc. Plain or with Eau de Cologne

## THYROID B.P.

ACTIVE & RELIABLE in Tablets of  
all strengths and in Powder

THE ABOVE PRODUCTS ARE IN GOOD DEMAND ON PRESCRIPTION BY PHYSICIANS •  
SPECIAL TERMS FOR WHOLESALERS, MANUFACTURERS & HOSPITALS  
IN BULK • IN ORIGINAL PACKINGS • OR OWN LABELS

**GEDEON RICHTER (G.B.) LTD** 1-2 HARDWICK ST.,  
LONDON, E.C.1 Phone: CLE 9521

3

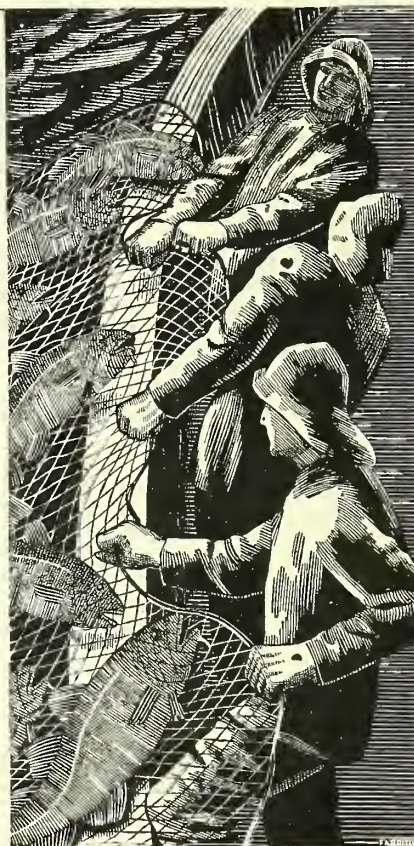
Old things are best.



For a thousand years Norwegian  
Medicinal Cod Liver Oil has  
been renowned as Nature's own cure.

## NORWEGIAN MEDICINAL COD LIVER OIL

WORLD-FAMOUS FOR QUALITY





# VICHY-CELESTINS

*The world renowned NATURAL Mineral Water.*

(And the other State Springs of Vichy)



We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.

These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

*CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the*

SOLE AGENTS:—

## INGRAM & ROYLE LTD.

Bangor Wharf, 45 Belvedere Road, London, S.E.1

And at LIVERPOOL and BRISTOL

Telegraphic Addresses :

"Ingram-Royle Watloo, London."

"Sprudel, Bristol."

"Celestins, Liverpool."

'Phone : WATERloo 4343 (2 lines).

'Phone : 21913.

'Phone : Bank 4528.



It looks better  
—It keeps safer  
in a **BETTS'**  
**COLLAPSIBLE**  
**TUBE**



- They keep your product in perfect condition.
- Their quality and finish is unsurpassed in the trade.
- All British made.
- New machinery enables us to cut production costs.

Send for particulars, samples and quotations to

**BETTS & CO., LTD.**

241 CITY ROAD, LONDON, N.1

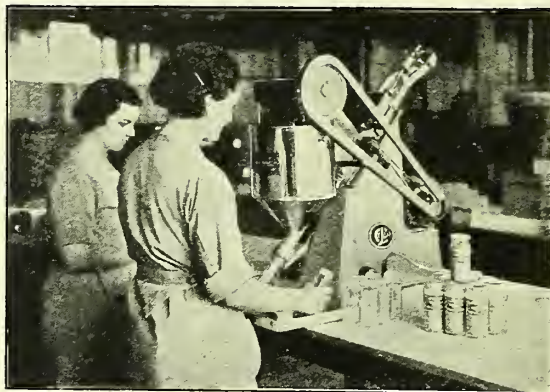
Established 1857

Telephone: Clerkenwell 1918

New Zealand Representatives:

NEIL, CROPPER & CO., LTD., Post Box 74, Dilworth Building  
AUCKLAND NEW ZEALAND

**JACKSON-CROCKATT**  
PATENT  
**PACKING MACHINES**  
FOR ALL POWDER MATERIALS



**"JUNIOR 45" PACKING MACHINE**  
with washable stainless steel hopper.  
Quickly dismantled for cleaning.

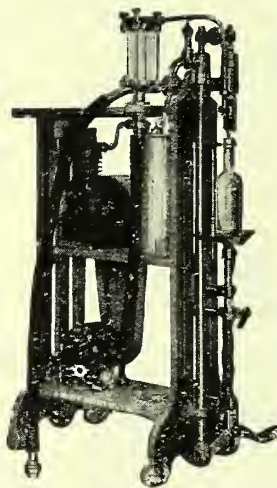
**For Packing**—To uniform density, Face Powder, Toilet Powder, Maclean's Powder, Magnesia, Curry Powder, etc.

Self-Contained Motor Drive

**J. G. JACKSON & CROCKATT Ltd.**

Engineers, DARNLEY STREET, GLASGOW, S.1

**ROBERTS' PATENT**  
**"LEO" VACUUM FILLER**



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

**Clean and Rapid**  
**No Over Filling**  
**Broken Bottles**  
**Rejected**  
**Easy to Clean**  
**Self Rinsing**

**WRITE FOR**  
**PARTICULARS**

**Roberts' Patent Filling Machine Co.**

T. ROBERTS, Proprietor,

**33 Roundcroft Street, Bolton, Lancashire**

Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use.

**ALL RIGHTS RESERVED**



# SOLD by

*"extra sales appeal"*

"No—no, that one, the next—the Mono Container."

A chance remark that was overheard, but typical of a thousand daily conversations. They know that Mono represents security, reliability, and perfect hygiene. Daily more retailers realise that for easy storage, handling, packing and distribution Mono Containers are ideal. Write to us for samples and prices.

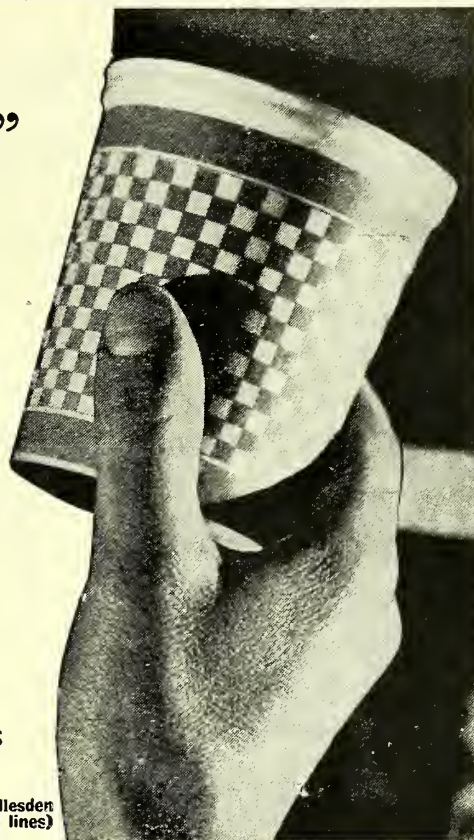
## MONO

*containers*

The first and foremost of "nested" containers

MONO CONTAINERS LTD., Park Royal, London, N.W.10

Tel.: Willesden  
0900 (5 lines)



WE SUPPLY  
**DECORATED TINS**  
FOR PACKING  
**OINTMENTS**

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.  
CALDICOT, Nr. CHEPSTOW, Mon.

COMPOSITION STOPPERS  
BAKELITE MOULDINGS  
COMPACTE COSMETIC & ROUGE BOXES



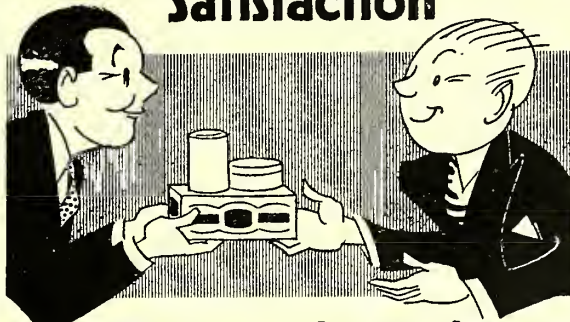
200 Varieties  
*Any Colour.*

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



**W. J. SHARPLIN, Ltd.** Telephone: Mountview 0952  
Middle Lane Works, Hornsey, LONDON, N.8

## We make BOXES to your Satisfaction



**or else we make no charge!**

That is why you can order boxes from Robinsons of Chesterfield with such complete confidence. The experience gained in nearly a century of box making is at your disposal—as is our studio and ideas department for producing more attractive boxes. May we be privileged to quote for your next order for round, square and folding boxes?

## ROBINSONS of CHESTERFIELD

WHEAT BRIDGE MILLS  
CHESTERFIELD

168 OLD STREET  
LONDON, E.C.1





## DISPLAY **NORVIC** BLUE CARTON **CREPE BANDAGES & BINDERS**

Every day new customers are being found for NORVIC Crêpe Bandages and Binders. The special weave employed in the manufacture of these bandages, ensures a remarkable degree of elasticity **WITHOUT THE AID OF ANY FORM OF RUBBER.** The 70% Wool content gives warmth, they are easy to apply and generally more satisfactory than any other form of support.

NORVIC are extensively advertised and are highly recommended by Doctors and Nurses. A small display in the window or on the counter will bring profitable results.



### "VIC" WRIST SUPPORT

With Elastic Fastening Pat. No. 410258. A popular line which appeals to every sportsman and sportswoman. Comfortable to wear, stays "put" and does not impede play. In half-dozen neatly carded.

## VIC

In attractive transparent envelopes boxed for the counter. Hand size and Bath size. A small display brings handsome profits.



*Stocked by all leading Wholesalers*

MENE

**SALES ARE  
AS REGULAR  
AS THE CLOCK**

An unflinching demand for MENE has distinguished this famous towel for nearly half a century. The incomparable quality of its texture is the surest guarantee of its continued popularity with the buying public.

**ROBINSON & SONS LTD. CHESTERFIELD & LONDON**

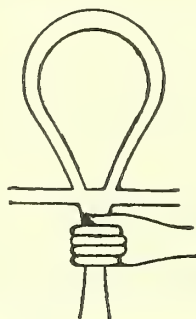
## KUTTEEL The Vest Pocket First-Aid Outfit.

For Cuts, Wounds and Sores of Every Description.  
Instantly Stops Bleeding. Relieves Soreness.  
In Screw-capped bottles, complete with brush,  
9d. per bottle. ————— Double size 1/3

**SELLS AT SIGHT**

Price: 6/- per card, containing one dozen neatly cartoned bottles.

**Thornton Pharmaceutical Laboratories  
LIMITED  
THORNTON, BLACKPOOL**



## HYPODERMIC NEEDLES

of all descriptions

WHOLESALE & EXPORT ONLY

**EVERETT & CO.**

939 London Road, Thornton Heath, London, S.W.16



# ZEAL

## Clinicals

**The Choice  
of Experts**

**BRITISH  
MADE**

**NO HIGHER  
IN PRICE THAN  
NONDESCRIPT  
MAKES**



**Also Household, Bath  
and Works Thermometers,  
the best of their kind**

**G. H. ZEAL LTD.**

MORDEN RD., MERTON,  
LONDON, S.W.19

Phone: Liberty 2283-4-5



# “SURCO”

**RELIABLE**

## ELASTIC HOSIERY

**SEAMED & SEAMLESS**

For special garments to  
measure we maintain a 24  
hour service.

∴

**BODY BELTS**

**TRUSSES ∴ SUNDRIES**

∴

---

*Write for Catalogue.*

---

**SURGICAL HOSIERY CO. LTD.**

**Russell Street ∴ NOTTINGHAM**

Telephone No.: 75903.

Telegrams: SURGICAL, NOTTM.

*Awarded Certificate by  
The Institute of Hygiene  
for Purity—Quality—Merit*

# LOCARNO

**MEDICATED  
TOILET ROLL**

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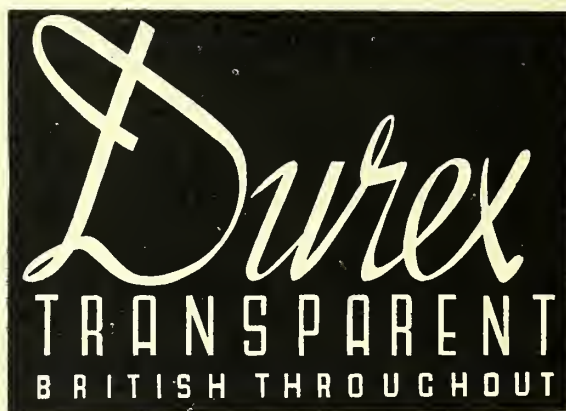


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I'LL CERTAINLY GET  
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**FACTORY: HACKNEY, LONDON, E.9**



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

MARCH 28,  
1936

28 ESSEX STREET, LONDON, W.C.2

## ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

**BUSINESSES WANTED** and for **DISPOSAL, PREMISES TO LET** and **FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS** for **SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

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**REPLIES FROM ADVERTISERS**—1/- per line; 3 lines 2/6.

**THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2**

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

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must reach us  
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Telephone Nos.: CITY 2283 & 7477

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—GOOD-CLASS LONDON SUBURB.—Well-established Retail and Dispensing Business returning over £3,000 per annum under management, increasing; attractive pharmacy, double-fronted; stock worth approximately £750; held on lease; terms, valuation of stock and fixtures plus £500 for goodwill.

2.—LONDON, S.W.—Old-established Middle-class Business for immediate disposal; returns last year under management £1,019; gross profit £445; Chartered Accountants' figures; net profit to owner-manager £335; spacious shop; good clean saleable stock worth about £300; no near opposition; first reasonable offer will be accepted.

3.—MIDDLESEX.—General Retail and Dispensing Business, suitable to Chemist with knowledge of Optics; rapidly increasing turnover, last year being £1,030 and current year shows a substantial increase on this figure; double-fronted shop; stock and fixtures estimated to be worth £520; rent £85; long lease; price £500.

4.—NORTH LONDON.—Middle-class Business occupying a good position in main road; established many years; returns for year just completed £1,720 under management; living accommodation over; held on lease; price £600 all at or near offer.

5.—LONDON, S.E. (VENDOR RETIRING).—Good-class Retail Business with steady turnover, 1935 being £1,539; Chartered Accountants' figures; very good house attached; stock and fixtures worth about £700; low rent; held on lease; valuation terms entertained.

6.—BLACKFRIARS (NEAR).—Lock-up Pharmacy offering scope for considerable increase; main-road position; average takings £13 to £14 weekly, plus fairly substantial N.H.I.; held on lease at inclusive rental; price £50 plus value of stock and fixtures, in all about £300.

7.—VICTORIA (NEAR).—Old-established Middle-class Business with N.H.I. between £230 and £250 per annum; main-road position; returns last year approximately £1,650 with gross profit £581; stock and fixtures estimated to be worth about £900; net rent and rates £72; scope for increase; offers invited either in a lump sum or on a valuation basis.

8.—FINSBURY PARK (NEAR) (DEATH VACANCY).—Wholesale and Retail Business for sale; returns approximately £2,600 for the last completed financial year (of this sum about £1,200 was from Wholesale, which shows a gross profit of at least 75 per cent.); premises occupy valuable position; new lease will be granted at reasonable rental; price of business about £1,050.

9.—SURREY.—Good Middle-class Dispensing and Photographic Business offering scope for increase; returns last year £1,122; double-

fronted shop; stock and fixtures worth about £550; modern flat; garden; rent £104; long lease; low price will be accepted.

10.—LONDON, N.W.—General Retail and Dispensing Business in main road; returns last year £754, including N.H.I. £62; rent £60; sublet £65; long lease; price £260, which is the approximate value of stock and fixtures.

11.—BEDFORDSHIRE.—General Retail Business with Branch for disposal; Vendor retiring; returns last year exceeded £2,250; main-road position; living accommodation, garden, etc.; very low rents; further details on application.

12.—HOME COUNTY.—Well-established Retail Chemist's Business with steadily increasing turnover, 1935 being £2,121; Accountants' figures; main-road premises; held on lease; rent £100 per annum; price about £1,350.

13.—MIDLAND CITY.—General Retail and Dispensing Business with Optical about 8 per cent. to 10 per cent. of turnover; returns about £1,350 per annum, with net profit over £300; attractive shop; good living accommodation; rent £100 per annum, or property may be purchased for £1,250; price required for business £800 all at; genuine reason for sale.

14.—BERKSHIRE.—Neglected Country Business in Good-class Residential District; present turnover £12 per week; books open to inspection; fixtures worth about £100; living accommodation and large garden; rent £85 per annum; valuation terms entertained.

15.—SURREY.—Middle-class Business with increasing turnover, 1934 being £1,456; net profit about £400; stock worth about £500, fixtures £250; price required for goodwill about £200.

16.—CARDIFF (NEAR).—Good-class Family Retail Business with Medicated Wine Licence; established 1929; returns exceed £2,000 per annum; good profits; stock worth about £620; five-roomed house with bathroom; low rental; price asked £1,300 all at, or £500 plus stock and fixtures at valuation.

17.—SOUTH COAST.—Middle-class Drug Store offering scope for large increase in the hands of a qualified man; present returns £16-£17 weekly; rent £65; held on lease with option to purchase property for £550; price required for business £250 all at or near offer; ill-health cause of sale.

18.—BRISTOL.—Neglected Business, capable of increase; established many years; returns (1935) £788 under management; large shop with living accommodation; freehold may be purchased for £750, or lease will be granted at £78 per annum; price required for business about £350.

## Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.



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Lancashire and District Representative : Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone : Great Moor 2405

*Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.*

(C1) HARROW (NEAR).—Attractive up-to-date pharmacy, at present under management; turnover upwards of £2,000 per annum; rent £150, including self-contained flat, with bathroom, garden, etc.; lease; good scope for further increase; price about £1,650 all-at; 21 years; valuation terms if preferred.

(C2) LONDON, S.E.—Old-established good-class dispensing business; turnover upwards of £1,750 per annum, but scope exists for considerable increase with the introduction of usual chemists' side-lines, etc.; net profit to owner-proprietor approximately £400; good living accommodation; reasonable rental; this business will strongly appeal to a lover of the old-style pharmacy.

(C3) NORTH WALES.—Unopposed pharmacy, at present under management; turnover for 1935 financial year, £1,560, with good scope for further increase; rent and rates £47 per annum; price £700 all-at, including stock, £400.

(C4) POTTERIES.—Old-established retail and dispensing business with full wine licence; increasing turnover, last year's returns being slightly under £11,000; rent £52 per annum; price by negotiation.

(C5) WILTSHIRE.—Recently-established lock-up pharmacy, now doing approximately £25 weekly; no near opposition; rent £85 per annum; price £625, including stock £425.

(C6) CHESHIRE.—Branch business with increasing returns; definite scope for development under owner-proprietorship; turnover for 1935-36, £1,000 approximately; good N.H.I.; premises situated in rapidly growing area; price £450 all-at, including stock £300.

(C7) DORSET.—Attractive modern pharmacy, entirely unopposed, occupying prominent corner position; extensive window frontage; recently established, in consequence of which the returns are low, being at the rate of approximately £850 per annum; lock-up shop, but flat above might be available if required; inclusive rental £85 per annum; exceptionally good proposition for enterprising chemist with personality; price all-at £550; the turnover in this case definitely represents no criterion of future possibilities.

(C8) FULHAM.—Drug store and photographic business for immediate disposal; now returning upwards of £900 per annum; excellent scope under qualified proprietorship; lock-up shop; low purchase price for quick sale.

(C9) BERKSHIRE.—Family and dispensing business, occupying corner position; self-contained house above, with three bedrooms, garden, garage, etc.; turnover for last financial year, £1,094; genuine scope for further increase; rent £100; lease 14 years; price £550, including stock £250.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates.

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1.—PORTSMOUTH.—Very profitable Light Cash Retail, with excellent sale of own Proprietaries; returns approach £1,400; central position; plenty of scope; smart shop; heavily stocked; price £1,000.

2.—BERKS.—Middle-class Light Retail; in residential district; returns under manager £1,100, gross profits £376; corner pharmacy, with living accommodation; rent £100, on lease; owner retiring; price £550.

3.—WESTCLIFF-ON-SEA.—Sound, Progressive Cash Business; returns £1,363, net profit £335, audited books; modern corner shop, flat over, rent £100; price £300 or first reasonable offer.

4.—SOUTH-EAST COAST.—Light Cash Retail with Photographic; increasing; turnover over £900; books properly kept; modern premises; excellent stock; price £500 or offer.

5.—GLOUCS.—Sound Light Cash Retail; returning over £900, increasing; modern fitted shop, with house attached; rent £40; long lease; stock worth £250; price £400, books audited.

6.—NORTH LONDON.—Old-established Business; owner retiring; returns £1,450; large Panel; gross profits £573; plenty of scope in younger hands; stock worth £560; price £1,100, or near offer.

7.—N.W. SUBURB.—Good Middle-class Business; in rapidly growing district; returns over £20 weekly; plenty of scope, especially for Chemist-Optician; modern well-fitted pharmacy, with every convenience; rent £85; long lease; price £500, bare value of stock and fixtures.

8.—KENTISH TOWN.—Cash Retail with Photo and N.H.I.; returns under manager over £750, scope for increase; rent £60, sublet £65; price £260 for early sale.

### INTENDING VENDORS

desirous of selling without any publicity or advertising should correspond with us without delay; we have cash buyers for businesses in all parts, up to £3,000 cash, especially Midlands, South-West, Southern and Home Counties. No sale, no charge.

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Telephone: Terminus 3574.

## THIS ANNOUNCEMENT WILL BE OF PARTICULAR INTEREST TO CHEMISTS PREPARED TO DISPOSE OF THEIR BUSINESSES AT GOOD FIGURES.

We are in touch with an organisation desirous of acquiring a number of sound businesses during the next three weeks, and are informed that negotiations can commence forthwith. Arrangements to purchase several propositions have already been made, and others are required immediately. Minimum turnover £1,500 per annum up to any amount (the larger the better). Businesses situated in the northern, midland and southern counties are preferred, but any district will be considered. If you are prepared to entertain the sale of your business, therefore, and it conforms with the stated requirements, please communicate without delay, under assurance of confidence, with the London Office of ERNEST J. GEORGE & CO. as above, when steps will be taken to arrange the necessary introduction.

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Money-Making and  
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## EVERY BOOK by an EXPERT

May be obtained at the published prices from any  
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**B**EDS.—Lock-up Shop, opened January, 1935, doing over £10 weekly under manager; rapidly growing district; excellent prospects under progressive proprietor; everything for £250. 189/43, Office of this Paper.**L**EICESTER.—Drug Store (lock-up), no near opposition; turnover (under management of lady) £12 weekly, could be considerably increased under personal qualified supervision; excellent opening for N.H.I.; genuine reason for disposal; price asked for quick sale £75, plus stock at valuation. 189/47, Office of this Paper.**L**IVERPOOL.—Medium-class Business; commanding corner premises in busy thoroughfare; excellent house (if required); average 4 years, £1,461 per annum; N.H.I. £300 per year; goodwill £400; stock and fixtures at valuation; illness cause of sale. Only those really interested reply to R. Evans, 24 Kenmore Road, Liverpool.**S.W.3.**—WELL-ESTABLISHED Pharmacy, in main road; new flats going up nearby; house sublet advantageously; average net profit over 4 years as under personal control £312 per annum, good scope for increase; goodwill, lease and fixtures £500; stock at valuation. 189/40, Office of this Paper.**W**EST WALES.—Pharmacy (established), main street busy seaport town; profits about £350 p.a.; reason sale, ill health; £395 or near offer. Lewis Davies & Leather, 84 High Street, Islington, N.1.**A**LL at £98, well-established Drug Stores, London; good position; opening for a Chemist; incomer could add N.H.I., photographic; scope for prescribing; splendid opportunity for man with small capital; further particulars apply 189/30, Office of this Paper.**B**USINESS in London; ill health of proprietor; thickly populated area; turnover £1,500, can be increased; living accommodation over shop, garage, etc.; price £850. 186/5, Office of this Paper.**C**HEMIST'S Premises to Let as lock-up shop at 25s. per week, including rates, with the option of purchasing the fixtures at a nominal price (very cheap); stock can also be taken over, all or part of it, at a reduced price. Apply Ascotts Pharmacies (1933), Ltd., 48/50 Durham Road, N.7. Phone: ARCHway 3041.**F**IRST-CLASS Dispensing and Retail Business, with freehold premises, for sale, in good-class London suburb; average returns for last 3 years about £3,600; private negotiations only. Apply in first instance to 187/4, Office of this Paper.**G**REAT Opportunity for a Young Chemist.—Owing to death, a splendid opportunity occurs to acquire at very reasonable price, old-established Drug Business; situated near sea; well-stocked double-fronted shop. Write for full details to Major F. Barnes, Audrey House, Ely Place, London, E.C.1.**H**ERBALIST, acquiring new premises over a mile away, offers present shop and living accommodation to Qualified Chemist; entirely unopposed; opposite Town Hall, main road; 15 years' lease at £104, exclusive; densely populated district; must purchase stock, fixtures, fittings, etc., £120. Call 93 Harrow Road, W.2, near Edgware Road.**O**LD ESTABLISHED Family Business, London, W.2. Same hands many years; long lease; Kodak and the usual agencies; good profits; accountant figures; death cause of sale. £620 for quick sale; genuine buyers only. 189/21, Office of this Paper.**BUSINESSES WANTED.****A**DVERTISER wishes privately to purchase Shop where present owner desires to remain as tenant. Will owner please write to S. Sculthorp, Rema, Stoke Poges.**C**HEMIST wishes to Purchase established Pharmacy in Lancashire or Cheshire, with a turnover from £1,200 upwards; living accommodation essential; must stand strict investigation; cash will be paid for suitable business; all communications strictly confidential. 189/52, Office of this Paper.

**C**HEMIST wishes to purchase immediately, for cash, established Pharmacy, takings from £40; accounts required; London or South Counties preferred. Full particulars, in confidence, to 189/17, Office of this Paper.

**PREMISES TO LET.**

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**S**TONELEIGH (near Ewell).—In the centre of large developments nearing completion; last parade of shops allowed under the town planning just finished; several multiple companies trading in domestic commodities negotiating; rent for entire premises £150. Managing Agents, Healey & Baker, 29 George Street, Hanover Square, W.1. Mayfair 2965 (10 lines).**H**IGH-CLASS Shops available in Stafford Court, Kensington High Street, W.8, London's latest block of shops and luxury flats in best trading position near Derry & Toms, Barker's, etc., and opposite Woolworth's. Resident Agent. Write or 'phone Western 7105.**H**IGH-CLASS Shops to Let in new parade in best part of High Road, Streatham, from £140-£500 per annum. Apply Letting Manager, 17 Streatham High Road, 'phone Streatham 9627, or Bell Investment Trust, Ltd., 115 Park Street, Mayfair, W.1. 'Phone Mayfair 4201.**S**HOP, with living accommodation, 4 bedrooms, sitting room, kitchenette, bath, etc., garage, commodious shop and store, to Let; £130 per annum, exclusive; situated in first-class rising South Coast resort. Apply D. Newman, 3 Sea Lane, Ferring, Worthing.**AGENCIES.**

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**F**RANCE.—British firms who wish to exploit the following branches in France, Fine Drugs, Pharmaceutical Specialities, Beauty Products, are invited to get in touch with Laboratoires Industriels de Massy, Massy (Seine & Oise), France; offices in Paris, depot, representatives all over France; advertising department; sale through retailers or by mail-order.**F**RENCH Cosmetics.—The Agency for Great Britain of a large French Perfumer manufacturing a complete line of Cosmetics, Face Powders, etc., could be given to a reliable British firm who could secure a good distribution. Please write to: Parfumeur, c/o De Plas & Alexandre, 164 Faubourg St. Honoré, Paris.**I**MPORTANT Belgian Factory seeks General Agent, serious, energetic, well introduced among Confectioners, Biscuit Manufacturers, Chocolate Works, Mineral Water Manufacturers and Druggists, for sale in Great Britain of their Extracts, Essences, Essential Oils, Colours and basic Products for Perfumery. Reply, with maximum information, to W. E. V. Miles, 106 Avenue d'Amérique, Antwerp.**W**ANTED by a well-known American company, Manufacturers of Pharmaceutical Products, established in U.S.A. for over 50 years, Sole Agency of a Pharmaceutical or similar product, or would consider acquiring formula and manufacturing rights for that country; product must have merit; consumer acceptance and possibility for exploitation in U.S.A.: replies treated with strictest confidence. 277/988, Office of this Paper.**DIRECTORSHIP.****M**ANUFACTURING Medical Company in seaside town requires a Chemist to join as working Director; capital required £1,000-£1,500; please state age and usual particulars, in confidence; unique opportunity for right man. 189/24, Office of this Paper.**PARTNERSHIP.****W**ANTED, a Qualified Lady or Gentleman able to invest a moderate sum to transform a busy Drug Store into a private Limited Company to take advantage of the new Poison and Pharmacy Act, also N.H.I., etc.; banker's reference required, 189/7, Office of this Paper.



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Re Messrs. C. TOLKIEN & CO., LTD.  
Manufacturing Chemists and Confectioners.  
REMOGEN WORKS, SILSDEN, Nr. Keighley, Yorks.

TUESDAY, APRIL 7, 1936, at 11 a.m. prompt.

**M**R. JOHN H. RABY has received instructions from Arthur Swallow, Esq., F.C.A., the Receiver and Liquidator herein, to Catalogue and SELL BY AUCTION as above, the entire

PLANT, EQUIPMENT, STOCK,  
OFFICE FURNITURE, AND  
MOTOR WAGONS,

embracing Avery's Small Platform Scale (120 lb.), Quantity Milk Churns, Power Mixing Machines, Numerous Deal Packing Tables and Counters, Racking and Partitioning, Earthenware and Galvanised Iron Mixing Bowls.

ROSE PATENT TOFFEE WRAPPING MACHINE  
(almost new),

TWO ALBRO MALT EXTRACT FILLING MACHINES,  
MALT EXTRACTING PLANT,

complete with Grain Crusher, Mash Tun, Steam and Water Mixer, Vacuum Evaporating Pan and Steam Pumping Engine.

TWO 600 GALLON SOLID COPPER TANKS  
with approximately 70 feet of Tinned Copper Piping.

6 CWT. AND 14 CWT. POWER  
MALT AND COD LIVER OIL MIXING MACHINES,  
supplied Brinjes and Goodwin, Ltd.

VARIOUS COPPER-LINED STEAM BOILING PANS,  
2 SHEARS PATENT EMULSIFIERS,

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Steam Drying Cabinets, Fire Buckets, 2-10 cwt. Platform Scales, Chemical Balances, Glass Measures, Beakers, Thermometers, Hydrometers, Funnels, Baker Microscope.

Quantity of Malt Extract for Pharmaceutical and Bakers' use, Malt and Cod Liver Oil for Cattle, Cod Liver Oil in unbroken original barrels, Glucose, Chemical Food, Glycerine, Castor Oil, Dextrine, Essences for the confectionery trade, and Drugs for the manufacture thereof, and Pharmaceutical preparations.

Fats, Nuts, and other ingredients for the Toffee Boiling Trade, etc.

Quantity of Casks, Drums, Bottles, Containers, and Miscellaneous Packing Material, Cellophane for Toffee-wrapping, etc.

1934 "BEDFORD" 3-TON MOTOR LORRY.

1932 "FORD" 2-TON TRUCK.

OFFICE FURNITURE  
includes 5 ft. Fumed Oak Partner's Desk.  
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3 Mahogany Slope Desks, 5 ft. Roll-top Desk, 3 Filing Cabinets, 3 Underwood Typewriters, 2 Roneo No. 1 Type Printing Machines with type and No. 11 Printing Attachments, Stationery Cupboards, 1 Ellams Duplicator.

Masson-Seeley Showcard Making Machine with press and dies for the most up-to-date type of Masson-Seeley Show Cards.

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10 a.m. to 5 p.m.

Further particulars and catalogues (price 3d.) on application to the Auctioneer at his offices, Cheapside Chambers, Bradford, or from Messrs. GLOSSOP, RENDER, & SWALLOW, chartered accountants, Beckett's Bank Chambers, Bradford.

Removed from Fulham for Convenience of Sale.

2 to 5 LITTLE BRITAIN (close to G.P.O.), E.C.1.

SHOP EQUIPMENT AND SHOWCASES, Drug Runs, Counters, Mirrors, Silent Salesmen, Tills, Office Furniture, Safes, Typewriters, etc.

**B. NORMAN & SON**

will Sell by Auction at their Sale Rooms as above,  
WEDNESDAY NEXT, APRIL 1st, at 12 o'clock.  
View day prior. Catalogues on application.

Telephone: NATIONAL 6463.

## BUSINESS OPPORTUNITIES.

**P**ROPOSITION invited from Established Firms or others with large and elastic Sales Organisations and who are desirous of immediately marketing high-class Toilet and Perfumery Specialities to acquire whole or part of two Private Limited Companies with Trade Marks, Booklet, Folder and Label Offset printing plant, large Showcard plant, Bottle and Jar stocks; extensive and complete practically tested original Formulas, raw materials and Perfumery stocks, Literature, stationery and Carton stocks; several original Proprietary Lines with vast prospects ready for market; unexpected expansion of other business interests compel advertiser, Medical, Technical and literary writer, propagandist and experienced Research Chemist, to unload responsibilities; would prefer retain active Technical or other interest; alternatively, could retain Production side only; no bargain-hunters need apply, and only offers from substantial sources will be considered. Write Salesprop, 188/14, Office of this Paper.

**Y**OUNG Man desirous of progressive business career, with real prospects, wanted to take charge of Advertising and Sale Promotion of Advertised Proprietary Products for Obesity and Rheumatism; commencing salary £200 and bonus on turnover; investment of £500 required in 7 per cent. preference shares, which will be utilised for additional advertising. Write fully details of experience, etc., P.C.B. 199/2, Office of this Paper.

## SITUATIONS OPEN.

## RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**B**RISTOL.—Qualified Chemist required to manage busy shop; permanency and good salary to right man. Apply F. H. Moss, M.P.S., 120 Whiteladies Road, Clifton, Bristol.

**C**ROYDON Area.—Unqualified Young Lady Assistant required, preferably one having served an apprenticeship with Chemist; some experience of Window-dressing and good Dispenser, for high-class business; photo if possible; wages £2. 190/4, Office of this Paper.

**F**OLKESTONE.—Qualified Male Assistant wanted, April 20; capable of taking temporary charge, Dispensing, with N.H.I. and Counter; permanency. Write, with full particulars, stating salary required, photo, to Chas. J. Taylor & Son, 31 High Street, Cheriton, Folkestone.

**L**EICESTER.—Conscientious Qualified Assistant required shortly; must have had good experience in all branches of Pharmacy; permanency; state salary required, age, references, married or single and when disengaged. 189/15, Office of this Paper.

**L**IVERPOOL.—Qualified Branch Manager; give full particulars of experience, references and salary required; also Junior (age 18-20). By letter only, 21 Rufford Road, Liverpool, 6.

**L**ONDON, E.—Qualified Assistant required, with general experience, Counter and Dispensing. Phone EAST 5264 for interview or write full particulars, salary, etc., to 75 Brick Lane, E.1. Applications not answered in 5 days respectfully declined.

**L**ONDON, W.1.—Qualified Assistant (about 30); of good education and address; accustomed to high-class Dispensing and Retail Business; knowledge of Photography and experience of Window-dressing an advantage. 277/989, Office of this Paper.

**M**ANCHESTER.—Junior Assistant (unqualified) required; counter, dispensing, window-dressing, and to make himself generally useful. Apply, stating age, experience and salary required, to 189/18, Office of this Paper.

**N**ORTH LONDON.—Qualified; used to better class trade; good post with prospects for capable and trustworthy person; Optical Qualification an asset; give full particulars of experience, stating age, when able to start and salary required. 189/31, Office of this Paper.

**A** VACANCY occurs in a high-class Pharmacy (20 miles from London) for a Qualified gentleman; applicant must be accustomed to good-class business, good Counter manner and pleasing personality; must possess good experience in high-class Dispensing, Window-dressing and a thorough knowledge of Photography; please state age, height and full particulars of experience, salary required, photo if possible; references essential. 189/58, Office of this Paper.

**A**T ONCE, Young Qualified Assistant; good-class Dispensing and Counter trade; Photographic experience an advantage. C. Woollons, 19 Vivian Avenue, Hendon, N.W.4.



**CHEMIST**, male, young, required April 13 next, or by arrangement, to manage small branch in Midlands. No enclosures, please, with applications, to 190/5, Office of this Paper.

**JUNIOR** or Improver required at once for good Dispensing business; give full details in first letter. J. B. Bray (Chemists), Ltd., The Broadway, Crowborough, Sussex.

**LADY** Assistant; temporary; required at once for about 2 weeks. Apply, stating full particulars, experience, etc., to F. W. Hodge, 409 Hither Green Lane, Lewisham, S.E.13.

**LADY**, Unqualified; must be accurate Dispenser (N.H.I. and private); Counter and Window-dressing. Full particulars (experience, salary required, etc.), "H. B." 56 Mile End Road, E.1.

**LADY**, Young, Assistant Dispenser and a little Book-keeping; must be accurate and quick; for branch Dispensing business. Apply Tamplin & Son, 19 Eden Street, Kingston-on-Thames.

**LOCUM**, Unqualified, Lady or Gent., April 6, for a fortnight; South Coast; short hours; state salary required. 190/7, Office of this Paper.

**M.P.S.**, **LADY**, as Assistant, with good, all-round knowledge; permanency; small, middle-class business on South Coast; state salary and full particulars. 188/2, Office of this Paper.

**M.P.S.** (**LADY**) wanted for Retail business near London; state full particulars, age, salary, etc. 276/981, Office of this Paper.

**PHARMACIST** required for middle-class business; permanency; applicant must have had thorough training in all branches; Dispensing, Counter experience; Window Display, Photography, etc.; apply, stating age, experience and salary required, enclosing copies of references and photograph if possible in first letter. Hobson, 3 Birchwood Road, St. Annes Park, Bristol, 4.

**QUALIFIED** Chemist (28-35) wanted to open new branch middle April; married; house available; permanent progressive post to real worker with ability and personality; good commission; fullest particulars, salary, photo, when disengaged in first letter. Philip Hudson, 12 Allenby Parade, Southall, Middlesex.

**QUALIFIED** Assistant (gentleman) required in a fortnight; must be quick at Counter and accurate N.H.I. Dispenser; only applicants for a permanency need apply. Send full particulars of experience and references to Snowden Kirk Ltd., 6 Chrisp Street, Poplar, London, E.14.

**QUALIFIED** Assistant required (under 30); smart appearance; keen Salesman, with pleasant Counter manner; a good Window-dresser essential and a sound knowledge of Photography; hours 8 a.m.-7 p.m. Apply, personally or by letter, to C. R. Jones, Chemist, 182 King's Road, Chelsea, S.W.

**QUALIFIED** Assistant wanted for middle-class Dispensing business; state full particulars of experience, age, salary, etc. Ridge, Chemist, Harrogate.

**QUALIFIED** Junior required at once; experience of Rexall, Photography, Veterinary and stock control an advantage; progressive post, with possibility of branch; fullest particulars age, height, salary, references, photo in first letter. Philip Hudson, Wisbech.

**QUALIFIED** Lady Assistant required; knowledge of Window-dressing and Toilets, and pleasing manner at Counter; permanency, with good prospects. Apply, either personally or in writing, to Howard's, 182/4 Old Kent Road, London, S.E.1.

**QUALIFIED** Man for Manchester district, N.H.I. and Counter. Please give usual particulars, stating age, salary required and copies of references, to 191/4, Office of this Paper.

**QUALIFIED** Manager for W.2 district, in three weeks' time; please state age, height, experience and salary required; give references. 191/5, Office of this Paper.

**QUALIFIED** Young Man required immediately for period of about 3 months. Write, stating experience, age and salary desired, to Durbins, Chemists, 131 High Street, Putney, S.W.15.

**REQUIRED** immediately, Qualified and Unqualified Assistants for important West End Pharmacy; thoroughly experienced Salesmen and Dispensers, etc.; only those with West End experience need apply. 276/977, Office of this Paper.

**SEVERAL** vacancies for Unqualified Assistants, shortly, for Relief duties, London and provinces; permanencies later to suitable men. Apply, with full particulars, to Retail Staff Manager, Taylors British Chemists, 55/56 Pall Mall, London, S.W.1.

**SMART** Assistant (male) required shortly for busy shop; young; with good all-round experience; good Window-dresser essential and full details in this connection required; send full particulars and photo and state salary expected. W. Massey, 13 High Street, Guildford.

**SMART** Unqualified Junior Assistant or Improver required for high-class Dispensing Business in Henley-on-Thames; state experience, age and salary required. Apply Neville, 74 Cowley Road, Oxford.

**TAYLORS** **BRITISH** **CHEMISTS** require Qualified Chemists, shortly, for Relief duties, London and provinces; permanencies later to suitable men. Apply, with full particulars, to Retail Staff Manager, 55/56 Pall Mall, London, S.W.1.

**UNQUALIFIED** Junior or Improver required. Apply, with full particulars, giving reference, Gregory & Wrenn, Ltd., Chemists, Taunton.

**WANTED**, a smart, up-to-date Qualified Man for newly opened Pharmacy near Brighton (age 25-30). Apply, with full particulars and salary required, to Chemicus, 276/987, Office of this Paper.

**WANTED** Improver or Junior Assistant, London East. 189/2, Office of this Paper.

**WANTED**, Midlands, Qualified Manager-Buyer (age 30-35); must have good personality, also good Window-dresser; please send full particulars and photograph. 188/7, Office of this Paper.

**WANTED**.—Qualified Manager for busy branch 2½ miles out of town. Give age, height, experience and salary required first letter to Wharton, Chemist, Chesterfield.

**WANTED**.—Unqualified Assistant, male or female; of good appearance; must be quick and accurate Dispenser; thoroughly trustworthy; good at Counter; well up in Window-dressing. Apply, stating age, height, salary required, giving references, to 191/2, Office of this Paper.

**YOUNG** Qualified Assistant for South Coast Town; with good dispensing and counter experience; permanent position to right applicant; state salary and full particulars when applying. 189/10, Office of this Paper.

#### WHOLESALE.

**AMPOULE** Filling Assistant required (male or female); only those with actual experience in Filling Dental Cartridge Ampoules need apply; permanency, with attractive salary, offered skilled person capable of Supervising others. Write, Ampoule, 188/140, Office of this Paper.

**CAPABLE** Salesmen required for the following vacant areas, South Coast and Bristol districts, for widely advertised Toilet Preparation; liberal commission terms. Give details of age, experience and connection to 276/980, Office of this Paper.

**CAPSULE** Maker required, preferably one used to both hand and machine work and experience in Tablet Making. Write, stating full particulars, to 276/976, Office of this Paper.

**CHEMIST**, with experience of Manufacturing Cattle Medicines, Mineral Supplements and Cattle Condiments, required by small progressive company about to extend; excellent opportunity for competent man with ambition; fullest particulars in confidence; secured investment can be arranged. 185/2, Office of this Paper.

**COSMETIC** and Perfumery Manufacturers, Park Royal district, require all-round Senior Chemist for medium-class lines; must have sound knowledge of up-to-date requirements; state age, experience and positions held. 276/978, Office of this Paper.

**LEMON-BARLEY** Water and Fruit Squashes.—Old-established Manufacturers require Representative, on commission, to call on Wholesale and Retail Chemists in the following areas: Midlands, Eastern Counties, Wales and West of England, also London. 276/982, Office of this Paper.

#### PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.



**QUALIFIED** Chemist required to take over the control and development of a small Wholesale and Retail Chemist Department of a well-known Surgical Instrument house in Yorkshire. Apply, with full particulars as to age, experience and salary expected, to 276/979, Office of this Paper.

**REPRESENTATIVE** wanted by Well-known Manufacturers of Finest Soaps and Toilet Preparations for suburbs of London, Essex, Herts., Surrey, Kent and Sussex; only applicants will be considered with previous experience and connection amongst stores and chemists, and with a thorough knowledge of the trade. Apply with full particulars as to age, previous experience, etc., to 276/956, Office of this Paper.

**REPRESENTATIVES**, connection Chemists, etc., London, Southern, Western Counties, offered well-known Proprietary Lines; liberal commission terms. Write fully, in confidence, particulars of territory covered, etc., Phil-Sano Limited, 106 Great Russell Street, London, W.C.1.

**REPRESENTATIVES** required for all districts England, Wales and Scotland for new and non-competitive product (see advertisement page xix in this issue); write, giving full particulars of districts covered and any additional lines carried, etc.; remuneration on a commission basis. Barton Laboratories, 10-12 Exhibition Road, London, S.W.7.

**REPRESENTATIVES**.—Walden & Co. (Nufix), Ltd., require experienced Man (about 30) for London and Provinces; must possess qualifications and capability. Apply by letter, giving full particulars, to Nufix Works, Rookery Way, The Hyde, N.W.9.

**REQUIRED**, on commission, keen Representatives already calling on really high-class Chemists, Hairdressers and Stores for exclusive range of expensive Beauty Products for Northern Counties, Midlands and the South; essential to be able to book demonstrations. Write, giving particulars of experience, connection, whether own car, to P.C.B. 198/32, Office of this Paper.

**WANTED**.—A Junior Assistant in the Pharmaceutical Laboratory. Write, stating your experience and salary required, to Pharmaceutical Specialities (May & Baker), Ltd., Dagenham.

**WANTED**.—A smart Qualified Pharmacist (about 30) to take charge of the Dry Department in Wholesale Drug House near London. Apply with full particulars and salary required to 276/986, Office of this Paper.

**WANTED** by Export City Drug House, Assistant (age about 18), with some experience Patent Medicines. Apply 276/985, Office of this Paper.

**WELL-KNOWN** firm requires first-class Representatives, one for Cornwall, Devon and Dorset, and one for Northumberland, Cumberland, Durham and Westmorland, for widely advertised products, on good commission basis only; only car-owners with extensive and long-standing connections amongst Chemists and Druggists need apply. 276/984, Office of this Paper.

### COLONIAL, INDIAN AND FOREIGN

**EASTERN COLONY**.—Qualified Assistant (23-26), with Optical experience, wanted by British company; single; smart appearance and address; 4 years' engagement; passage paid out and home. Write, with full particulars, experience, etc., to Box Y 185, Willings, 133 Moorgate, London, E.C.2.

### SITUATIONS WANTED.

#### RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**A.A.A.A.A.A.**—UNQUALIFIED (29), desires change; permanency; London or suburbs; Assistant or Manager; good personality; 14 years' experience, including 6 years managerial; expert Window- and Counter-dresser; quick and accurate Dispenser. 190/8, Office of this Paper.

**A.A.**—LOCUM or permanency; London (including West End) and provincial experience; Dispensing, Counter, Photography. Harries, 24 Brixton Road, S.W.9.

**A** CHEMIST, M.P.S., requires permanency; South Coast; (age 30, height 5 ft. 10 in.); married; keen Photographic Salesman; capable Dispenser and Prescriber; 12 years' experience; 3 years Manager; free one month; state salary. "Chemist," 80/81 Guilford Street, Russell Square, London, W.C.1.

**APRIL 27**.—Qualified (26); Assistant or Manager (previous experience); excellent references; keen hard worker; thoroughly experienced ("Square" trained); permanency; London, Kent, Surrey, Sussex. Ratcliff, 17 Twitten, Southwick, Sussex.

**ASSISTANT**, Unqualified; thoroughly experienced; Dispensing and Counter; locum or permanency; disengaged. F. Ham, 10 Disraeli Road, Putney, S.W.15.

**ASSISTANT**, Unqualified; thoroughly experienced in Stock-keeping, Sales, Windows, Photography; worker; permanency, locum. Whyatt, 5 Cameron Road, Ilford, Essex.

**ASSISTANT**; West-End experience; recently disengaged; Counter and Dispensing; good reference; locum or permanency; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

**ASSISTANT** (25), Scot, Unqualified; recent West End; experienced all branches; excellent character; free. Steven, 32 Raul Road, Peckham, S.E.

**ASSISTANT**; 30 years' experience Dispensing, Counter, Photographic; single; active; Unqualified. Statim, 38 Felcote Avenue, Ravensknowle Road, Moldgreen, Huddersfield.

**CHEMIST**, experienced, excellent Prescriber, disengaged, desires Management or Senior; London or provinces; moderate salary. "Chemist," 46 Buckley Road, London, N.W.6.

**DISPENSER-SECRETARY** (Hall); excellent Doctors' experience; testimonials; permanency; interview; Loudon or near. Apply Indigo, 82 Clapton Common, E.5.

**ELDERLY** Qualified Chemist; active, reliable; disengaged; any suitable post accepted. "Registered," 59 Coventry Road, Birmingham.

**EXPERIENCED** capable Assistant (45); tall; Unqualified; keen Salesman, quick Dispenser, Photo, Windows, Agricultural, etc.; conscientious and trustworthy; town or country; disengaged. Haigh, 25 Hetley Road, Shepherd's Bush, W.12.

**EXPERIENCED** Manager (age 30), married, seeks responsible position London; keen, competent business man; West End, City and suburban experience; disengaged. "M.P.S.," 87 Downs Park Road, E.5. Phone: Amherst 1698.

**LADY** Counter Assistant; used to Book-keeping; free April 6th; excellent references. Gilliam, 3 Walpole Terrace, Brighton.

**LADY** Dispenser (Hall), fully experienced, desires post with Doctor or Hospital; splendid testimonials. M. Stratford, "Beaufoy," Cheltenham Road, Evesham, Worcs.

**LET** me relieve your Assistant during Holiday this year; soundly experienced in locum work; Unqualified; good references. Barnes, 21 Disraeli Road, Putney, S.W.15.

**LOCUM**; disengaged March 28; open for Easter and forward; booking town or country. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

**LOCUM** or permanency; extensive experience in all branches; disengaged. "M.P.S.," The Croft, Old Farm Road, Withead, Brighton.

**LOCUM** or permanency (Manager); thoroughly experienced. "M.P.S.," 11 Second Avenue, Hove.

**M.P.S.** (25), tall, energetic, conscientious; good Managerial experience, requires permanency as Branch Manager; Dispensing, Photographic, Counter; excellent references. "Competent," 27 Albert Road, Levenshulme, Manchester.

**PART-TIME** required; student; suitable hours arranged; Dispensing, Counter, etc.; excellent references. "Chemicus," 11 Mysore Road, Clapham Common.

**PROFESSIONAL LOCUM**.—R. W. Tildesley, M.P.S., F.B.O.A., offers his active services and 30 years of practical Retail experience to those requiring stability and integrity. Address, The Burlington, 168 Milton Road, Weston-super-Mare.

### NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.



**QUALIFIED** Lady shortly requires position; trustworthy; capable; town and seaside experience. 189/1, Office of this Paper.

**QUALIFIED**; over 20 years' experience; splendid references; locum or permanency free. Apply to 189/27, Office of this Paper.

**QUALIFIED** (29) requires post, Essex or North London, as Assistant or Manager; free after April 5th. Atkinson, 17 Ashley Avenue, Mossford Park, Ilford, Essex.

**QUALIFIED** (28) seeks position; locum or permanency; Surrey preferred; excellent references; disengaged. 20 The Warren, Carshalton, Surrey. Phone: Sutton 5560.

**TEMPORARY** Post required by Unqualified (23; height 6 ft.) (Part I); 5 years' experience all branches; London and seaside; disengaged. "Conway," 16 Malvern Road, Gillingham, Kent.

**TOILETS**.—Lady, experienced all branches; tall, smart appearance; energetic. V. Tillings, Flat 4, 69 Upper Tulse Hill, S.W.2.

**UNQUALIFIED** Assistant (26), gentleman; excellent Dispensing and Counter experience; highest references; disengaged. "Assistant," 44 Meads Lane, Seven Kings, Essex.

**UNQUALIFIED**, last 6 years Managing Assistant, requires change; West or North-West London; good Window-dresser; 39 years; under contract month's notice. 188/4, Office of this Paper.

**UNQUALIFIED**, tall, single; disengaged; Dispensing, Counter and Photographics. Harris, "Norfolk House," 27 Lysways Street, Walsall.

**YOUNG** Lady (24) desires post, London; all-round experience, including high-class Beauty Preparations and Perfumery; no Dispensing. 188/6, Office of this Paper.

### WHOLESALE.

**A.A.A.A.A.A.**—**ADVERTISER** (29), with 14 years' Retail Pharmacy experience, including 6 years managerial, desires change to Wholesale Drug or Sundries house, with or without possibility of representing; good personality; London or suburbs. 190/80, Office of this Paper.

**ADAPTABLE** Worker (22) seeks situation; served apprenticeship Wholesale, Manufacturing, Retail Chemists, one year clerical, sales staff; highest references; wide experience; moderate wage; commence immediately. Mister, 3 Abbotsford Avenue, N.15.

**ADVERTISER** (40), having wide and established connection among Chemists, Hairdressers and Stores throughout Scotland, seeks additional Agencies on commission basis; own car; 14 years' experience; excellent references. 183/52, Office of this Paper.

**AS** Representative, Unqualified, with 11 years' Retail experience, 7 of which in own business. Wishes to obtain a post as Representative with a house of repute (age 30); 5 ft. 9 in.; Square-trained; car. P.C.B. 199/3, Office of this Paper.

**GENTLEMAN** (39) desires change from Retail, wishes to Represent Drug, Patent, or Toilet House; London or South Coast; 6 years Managing Assistant; under contract, month's notice; own car. 188/400, Office of this Paper.

**GENTLEMAN** (30), Qualified Pharmacist, with varied experience, seeks post where good appearance, personality, initiative and knowledge can be used to advantage; any progressive capacity; adaptable; would learn languages. 189/16, Office of this Paper.

**MEDICAL REPRESENTATION**.—Expert Propagandist, with unexceptionable credentials, wide experience amongst Physicians, Surgeons, Institutions, Clinics, sound knowledge Medicine, Therapeutics, desires re-engagement. "A.", 21 Gloucester Place, Brighton.

**PROFESSIONAL/TRADE PROPAGANDA, SALES**.—Doctors, Chemists, Licensed Traders; car; long experience; any investigation. "Responsible," General Gordon Hotel, Weymouth.

**QUALIFIED** (36), educated; experienced; Retail, Wholesale or Representative (London connection); disengaged. Write "Chemicus," 79 Upper Tulse Hill, London, S.W.2.

**TWENTY** Years' experience Wets, Dries and Manufacturing; used to control of staff. "Drugs," 19 Dorset Mount, Leeds.

### MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**ACCOUNTANT** and Auditor, capable and experienced; well acquainted with the accounts of Chemists; attends to write up books, get out accounts and deal with income tax; fees reasonable and all business treated as strictly confidential. Write or call on Cyril J. Sperry, 57 Chancerybury Way, Woodside Park, North Finchley, N.12, or 'phone Finchley 3522.

**CHEMISTS' FITTINGS**.—New and second-hand Drug Runs, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shopfitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

**CHEMISTS' FITTINGS**.—10-ft. Drug Fixture 8 ft. high. Mahogany Drawers, Glass Labels and Knobs, 6-ft. Wall Case 8 ft. high, 6-ft. Dispensing Screen 6 ft. high, Dispensing Bench and 3 Bottle Shelves at back, long-framed Glass Tablet "Dispensing," 8-ft. Glass-front Counter, £65 lot; Counter, Wall, and Salesman Cases, new and second-hand; sketches on request; good job at keen prices. WILLIAM SALTER, Chemist Shopfitter, 109 Buckingham Street, Birmingham.

**FOR QUICK SALE**.—U-Shaped Steam-Heated Drying Machine, with Mixing Agitator; also similar for Gas Heating. 276/962, Office of this Paper.

**FOR SALE**.—Christy 1½ and 2½ Disintegrators; excellent condition. 276/964, Office of this Paper.

**FOR SALE**.—Edge Runner Mill, with Cast Iron Pan and two runners 30 in. x 8 in. wide; also 3 ft. and 3 ft. 6 ins. Portable Stone Mills, with stones complete. 276/967, Office of this Paper.

**FOR SALE**.—Large Capacity Steam-Heated Dryer, with internal Agitator; also Jacketed Rotary Mixer and Dryer, 8 ft. long, 3 ft. diameter. 276/963, Office of this Paper.

**FOR SALE**.—Tumbling Barrel Type Mixer; mounted over Sifting Machine, with Receiving Box; all mounted in wood frame. 276/960, Office of this Paper.

**FOR SALE**.—Two "Griveau" Mixers; wood bodies, with sifters fitted under and receiving drawers for sifted powder. 276/961, Office of this Paper.

**FOR SALE**.—Two Heavy Type Werner Mixers, water jacketed; size of pans 3 ft. x 2 ft. 9 ins. x 2 ft. 6 ins.; also smaller capacity machine. 276/968, Office of this Paper.

**FOR SALE**.—Vertical Grinding Mill with 12-in. stones; also similar with 30-in. stones. 276/966, Office of this Paper.

**FOR SALE**.—12-in. Krupp Disintegrator; also Harrison Carter Size "C" Four-Screen Type Disintegrator. 276/965, Office of this Paper.

**LIMITED COMPANY REGISTRATION (CHEMISTS)** has been my speciality for 25 years. My very low fee includes even such items as seal, books, 2 rubber stamps. Transfer where necessary and advice (free) now and after registration. Write

A. BERNARD SLACK,

721 Princess Road, West Didsbury, Manchester.

**TREBLE'S** for Shop Fronts, Second-hand Fittings, Fascias, Show Cases, Dispensing Screens, Drug Drawers, Counters, Window Fittings. Send your requirements; personal attention; estimates to suit all; established over a century. 549 Lea Bridge Road, Leyton, London, E.10.

**WANTED**.—Gardner Sifting and Mixing Machine; about 60 to 150 lbs. capacity; particulars and price. 276/969, Office of this Paper.

**£69**.—**SPECIAL** Offer of Shop-soiled Mahogany Fittings; all in perfect condition; comprising 10-ft. Drug Fitting, 6-ft. Dispensing Screen, 6-ft. Wall Case and 10-ft. Glass-fronted Counter; cannot be repeated. Write or telephone PHILIP JOSEPH & SONS, LTD., 90/92 St. John Street, Clerkenwell, London, E.C.1. Telephone: Clerkenwell 4111 and 4112. "Pharmacy Fitters for over a Century."



**CLEAR OUT**—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into **CASH**.  
**I GIVE BEST PRICES** for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.  
**S. E. HACKETT, 23 July Road, Liverpool**  
 [CHEMISTS ONLY]

**FOR SALE.**

(Articles to the value of £5-£50.)

**C**ASH Register, latest finish, "National" make; prints and adds all takings; must sell. Write P. French, 60 Broughton Street, Queen's Road, S.W.8.

**EXCHANGE COLUMN.**

2d. per word, minimum 2s. (Box No., 1s. extra.)

**FOR DISPOSAL.**

(Articles up to the value of £5.)

**D**ISPENSER Balance by De Grave, grain and drachm weights, 37s.; 4 oz. each Iodine, Iodide, 3s. 6d. W. J. R., 47 King Street, Camden Town, London.

**WANTED.**

**C**OMPLETE sets or odd volumes "Chemist and Druggist," "Pharmaceutical Journal," "Manufacturing Chemist," "Year Book of Pharmacy," "Quarterly Journal Pharmacy." Adan, 60 George Street, Aberdeen.

**N**ATIONAL Cash Register wanted, must be in working order. Details, price, etc., to P.C.B. 198/18, Office of this Paper.

**P**RI NT Washer, Print Drier and Glazer, Autofocus Enlarger; state condition and price. 276/983, Office of this Paper.

**T**ABLET Machine (five-grain aspirins), second-hand, good condition. State price and particulars to 190/6, Office of this Paper.

**120** KODAK Automatic Film Machine; mechanically perfect. Farrow, Old Brompton, Chatham.

## THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped 1d. the Chemist and Druggist Supplement will be forwarded without cost.

**LOOSE STAMPS WILL NOT BE ACCEPTED**

If wrappers bear a halfpenny stamp only, postal delivery may be delayed.

## PHARMACY & POISONS ACT, 1933

*This legislation comes into operation on MAY 1st, 1936*

Are you familiar with its intricacies? You cannot possibly deal with the many vexatious problems which are bound to arise unless you have a reliable guide.

## The CHEMIST AND DRUGGIST "POISONS GUIDE"

**NOW ON SALE**

Provides in handy and concise form just the information you need to comply with the Law's requirements in supplying Poisons by wholesale or retail.

**NO OTHER PUBLICATION WILL GIVE YOU SO MUCH INFORMATION IN SO SIMPLE A FORM**

### SPECIAL NOTICE

Although minor amendments are to be made to the Dangerous Drugs (Consolidation) Regulations, 1928, there is no amendment of principle whatsoever and pharmacists need have no cause to fear that the early acquaintance, which the "C. & D." Poisons Guide has made possible, is likely to be prejudiced by these alterations.

Thousands of copies of this Guide have already been sold. It will pilot you safely through many unforeseen difficulties.

It costs only **3/9** Post Free

Send your remittance now to

**THE PUBLISHER,  
THE CHEMIST & DRUGGIST  
28 Essex Street, Strand, London, W.C.2**

Also obtainable from your usual wholesaler



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Every customer inconvenienced by late deliveries may ultimately mean loss of business.

Directly you start using a Raleigh Carrier—the cycle that is specially built for dependable deliveries—you will notice a big saving in time. Your customers will readily appreciate the speedier and more regular service—a service that can be relied upon every day of the week because of the constructional perfection for which the Raleigh is world-famous. Every Raleigh Carrier is a masterpiece of strength and precision, expressly designed for strenuous use, and guaranteed for ever.

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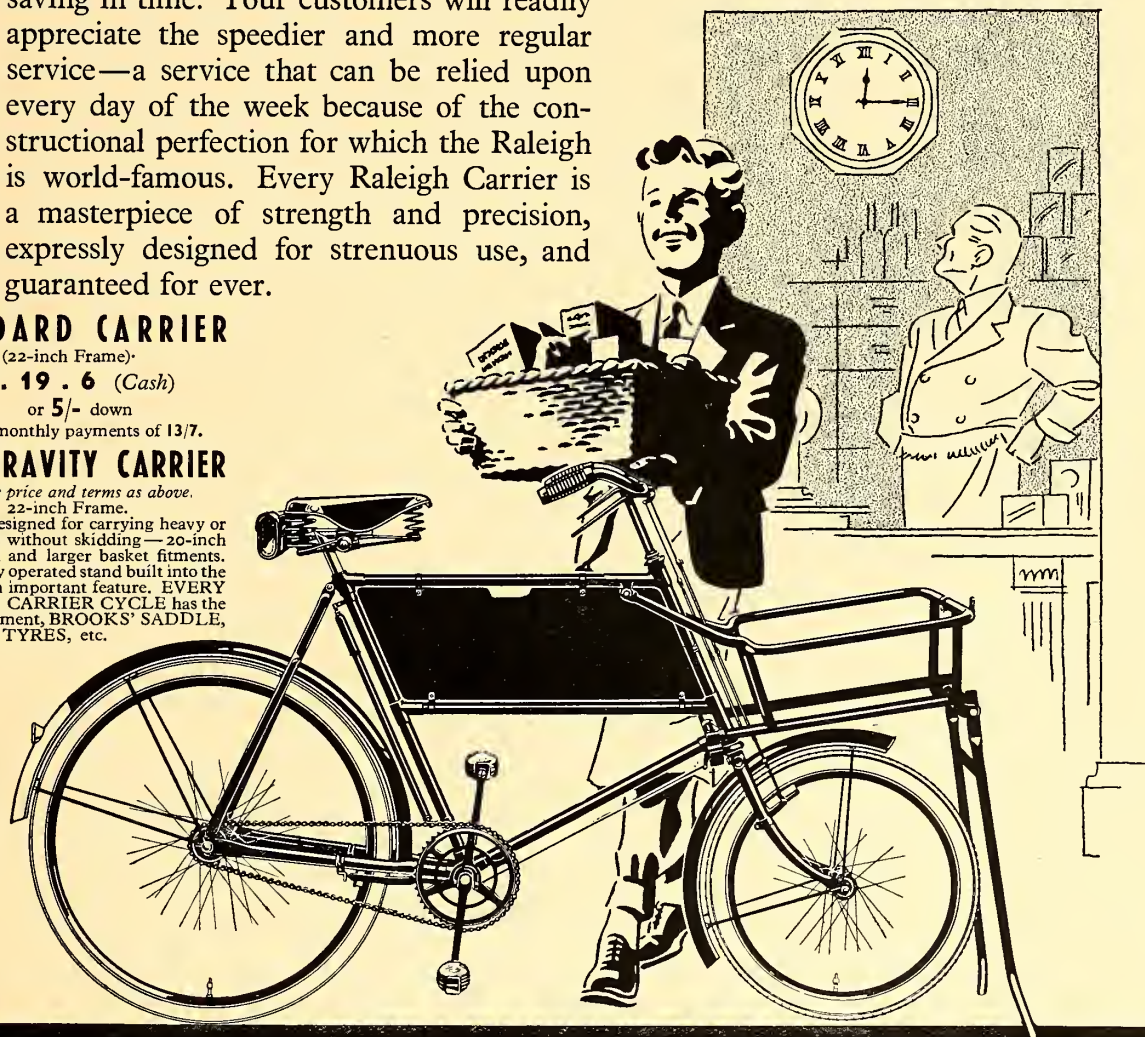
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22-inch Frame.

Specially designed for carrying heavy or bulky loads without skidding—20-inch front wheel and larger basket fittings. An instantly operated stand built into the carrier is an important feature. EVERY RALEIGH CARRIER CYCLE has the finest equipment, BROOKS' SADDLE, DUNLOP TYRES, etc.



# RALEIGH

## THE ALL-STEEL BICYCLE

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The most wonderful flesh  
reducing discovery of the age

- APPLIED EXTERNALLY TO ANY PART OF THE BODY. NO DIETING. ABSOLUTELY HARMLESS. APPROVED BY PHYSICIANS. ACTS IN 7 TO 10 DAYS. EASY TO USE.

Now being advertised in whole and half pages in the "Tatler," "Woman's Journal," "Britannia & Eve," "Woman & Beauty," etc. Also large spaces in the "Evening Standard."

An absolutely safe slimming method approved by many eminent members of the medical profession — and already selling fast on recommendations alone.

The price allows a generous margin of profit for the retailer



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Enquiries should be addressed to the Sole Distributors:  
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